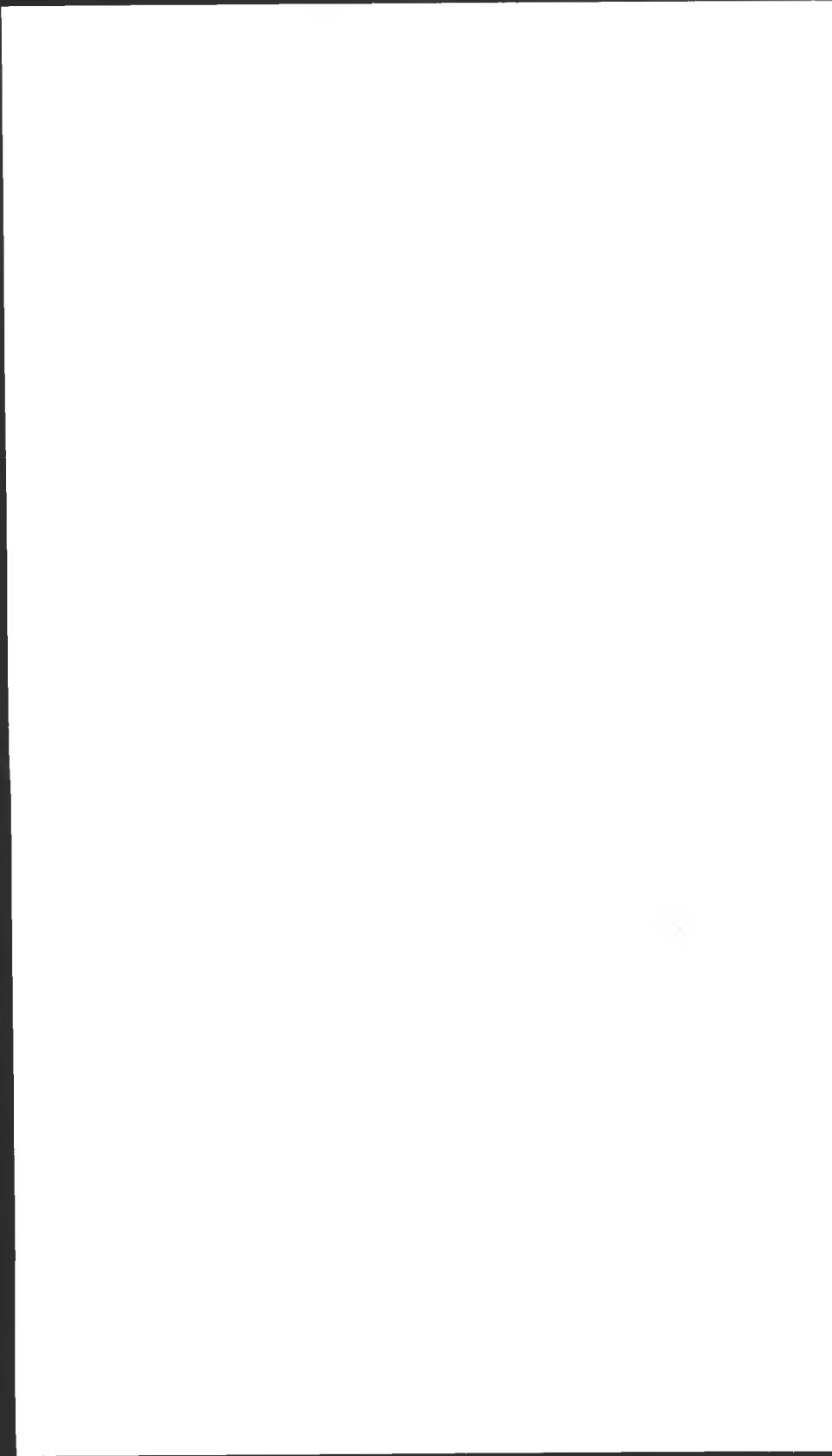


Cornell
University

ANNOUNCEMENTS

General Information

1966-67



CORNELL UNIVERSITY ANNOUNCEMENTS

Supplement to Volume 57, Number 1, July 12, 1965

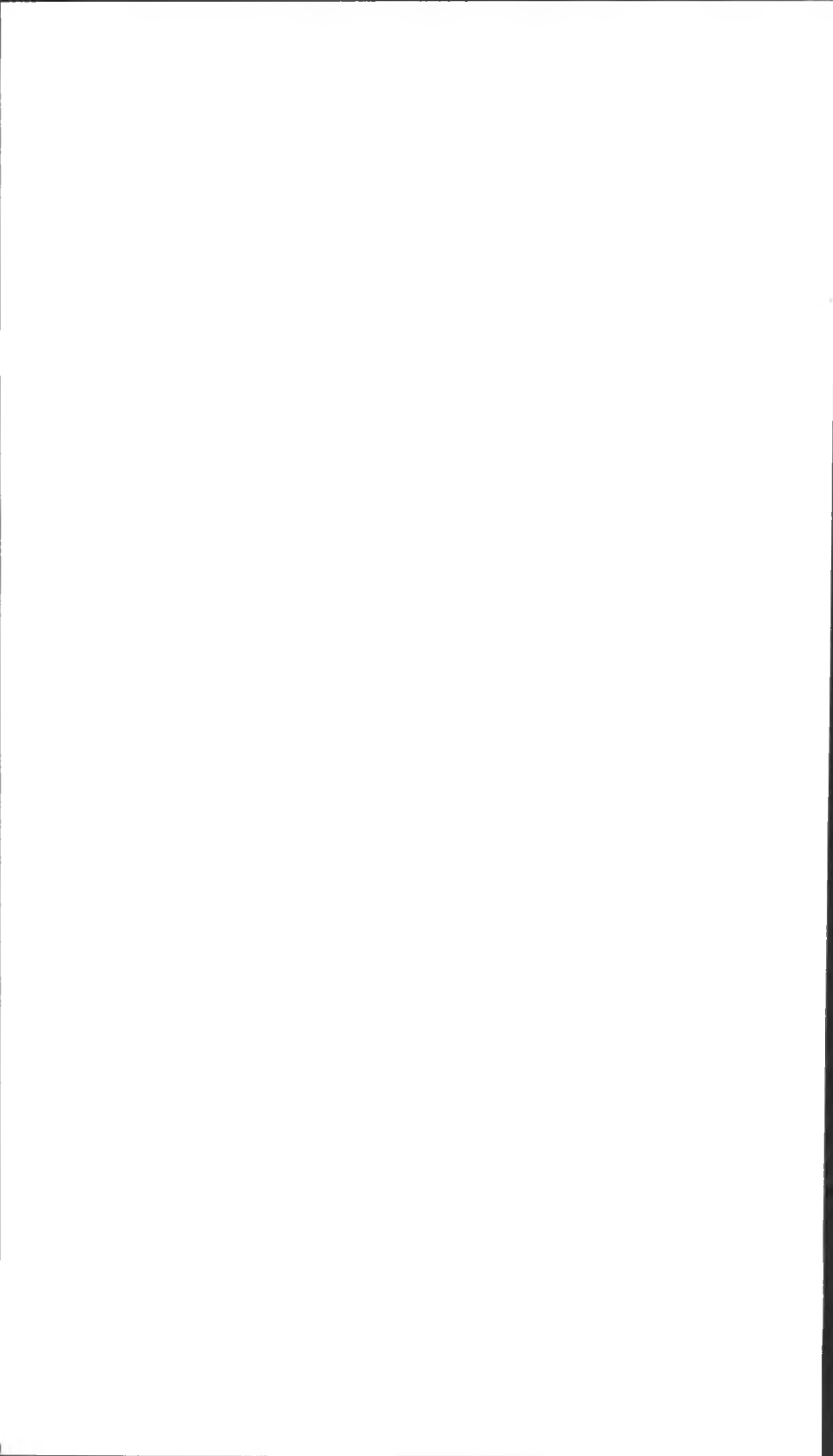
ANNOUNCEMENT OF GENERAL INFORMATION

The University Board of Trustees has found it necessary to make increases in certain charges to students, effective June 8, 1966. Please disregard the figures on page 68 of this Announcement. The figures shown below apply to *each term*.

<i>College, School, or Division</i>	<i>Tuition</i>	<i>General Fee</i>	<i>Total per Term</i>
ARCHITECTURE	\$775.00	\$200.00	\$975.00
ARTS AND SCIENCES	775.00	200.00	975.00
ENGINEERING	775.00	200.00	975.00
GRADUATE SCHOOL, with major field of study in an endowed division	760.00	215.00	975.00
GRADUATE SCHOOL, if the major chair- man is on the faculty of a state-supported division,* or of the Graduate School of Nutri- tion, or (generally) of the School of Education	200.00	237.50	437.50
AEROSPACE ENGINEERING	775.00	200.00	975.00
BUSINESS AND PUBLIC ADMINISTRATION	750.00	200.00	950.00
HOTEL ADMINISTRATION	775.00	200.00	975.00
LAW	750.00	200.00	950.00
AGRICULTURE:			
Resident†	200.00	100.00	300.00
Non-resident	300.00	200.00	500.00
HOME ECONOMICS:			
Resident†	200.00	112.50	312.50
Non-resident	300.00	212.50	512.50
INDUSTRIAL AND LABOR RELATIONS:			
Resident†	200.00	100.00	300.00
Non-resident	300.00	200.00	500.00
VETERINARY:			
Resident†	200.00	137.50	337.50
Non-resident	300.00	237.50	537.50
UNCLASSIFIED STUDENTS	775.00	200.00	975.00
EXTRAMURAL COURSES:			
Tuition per credit hour	40.00		

*The four state-supported schools or colleges at Cornell are Agriculture, Home Economics, Industrial and Labor Relations, Veterinary.

†A resident is a person who has been a bona fide resident of the State of New York for at least one year prior to matriculation in one of the four state-supported schools or colleges at Cornell (as named in the preceding footnote).



Cornell University

*General
Information*

1966-67

Academic Calendar

	1965-66	1966-67
Freshman Orientation	S, Sept. 18	S, Sept. 17
Registration, new students	M, Sept. 20	M, Sept. 19
Registration, old students	T, Sept. 21	T, Sept. 20
Instruction begins, 1 p.m.	W, Sept. 22	W, Sept. 21
Midterm grades due	W, Nov. 10	W, Nov. 9
Thanksgiving recess		
Instruction suspended, 12:50 p.m.	W, Nov. 24	W, Nov. 23
Instruction resumed, 8 a.m.	M, Nov. 29	M, Nov. 28
Christmas recess		
Instruction suspended, 12:50 p.m. (10 p.m. in 1966)	S, Dec. 18	W, Dec. 21
Instruction resumed, 8 a.m.	M, Jan. 3	Th, Jan. 5
First-term instruction ends	S, Jan. 22	S, Jan. 21
Registration, old students	M, Jan. 24	M, Jan. 23
Examinations begin	T, Jan. 25	T, Jan. 24
Examinations end	W, Feb. 2	W, Feb. 1
Midyear recess	Th, Feb. 3	Th, Feb. 2
Midyear recess	F, Feb. 4	F, Feb. 3
Registration, new students	S, Feb. 5	S, Feb. 4
Second-term instruction begins, 8 a.m.	M, Feb. 7	M, Feb. 6
Midterm grades due	S, Mar. 26	S, Mar. 25
Spring recess		
Instruction suspended, 12:50 p.m.	S, Mar. 26	S, Mar. 25
Instruction resumed, 8 a.m.	M, Apr. 4	M, Apr. 3
Second-term instruction ends, 12:50 p.m.	S, May 28	S, May 27
Final examinations begin	M, May 30	M, May 29
Final examinations end	T, June 7	T, June 6
Commencement Day	M, June 13	M, June 12

The dates shown in the Academic Calendar are tentative.

CORNELL UNIVERSITY ANNOUNCEMENTS

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Olin Graduate Library and the McGraw tower
of Uris Undergraduate Library.

Cornell University

THE FOUNDING

When Cornell was founded in 1865, it was considered a startling innovation in American education. Instead of pursuing conventional academic ideas, it proposed to offer *any* intellectually qualified person instruction in *any* subject. Ignoring as it did distinctions based on religion, sex, and color, the "Cornell Idea" was viewed as a questionable experiment.

Time proved the University to have been leader in a great shift in American education. It answered the three most pressing demands of the time: liberalization of the humanities curriculum, promotion of research, and advanced training in agriculture and engineering.

The Cornell story can best be told in terms of its founders—Ezra Cornell and Andrew Dickson White.

Ezra Cornell was practical and energetic but had a Quaker conscience which impelled him to say, "My greatest care is how to spend this large income to do the greatest good. . . ." Cornell was not born to wealth. He had worked hard; his formal education was meager. But he concluded that support of education was the best way to use his personal fortune for the good of posterity. His search for a way to implement this resolve ended when he met Andrew Dickson White, a fellow Senator, in the legislature at Albany.

White was American-born but a product of an older culture. It was easy to imagine him in a European university, happy among books and the trappings of antiquity. Devoted to learning, steeped in the arts and humanities, he was a professor and lived in the

world of ideas. He had long dreamed of founding an educational institution that would be "a worthy American university."

In 1864 the two men conceived a plan to combine Ezra Cornell's resources with the proceeds from sale of the public land awarded to New York State under the federal Land-Grant College Act; together they won the state legislature's approval; together they built the University.

It was as much from their differences of character as from their common interest that the University was shaped. The practical Cornell would have established a school to train young men for agriculture and industry. The scholarly White would have started "a nucleus around which liberally-minded men of learning . . . could cluster, a center from which ideas and men shall go forth to bless the nation. . . ."

As the product of both men, Cornell University became more than either had envisioned. It became a unique institution responsive to the new needs of the nation.

CORNELL TODAY

Cornell's basic objective is to produce men and women of intellect and to equip them with the understanding to use their abilities wisely.

It is not a place for memorizing data or mastering a vocation. Cornell is, instead, a route to intellectual maturity, a means for full development of the ideas, insights, and values which form a permanent personal capacity for intelligent thought and action. In this spirit of scholarship, the Cornell student is prepared to use knowledge well for himself and society. The diversity of Cornell contributes invaluable breadth and perspective to strong, specialized programs of study.

Compared with other American universities Cornell is of medium size. Listed on its rolls are more than 12,000 students. Its faculty and staff together number about 6,200.

Some universities are sustained by public money; others depend on private funds supplied by alumni, friends, and other philanthropic sources. Cornell draws its support from both. Part of the University is state-supported; part, privately financed through endowment, tuition, fees, gifts, and grants.

Cornell is a national—in fact, an international—institution. Its students come from every state in the Union and from eighty-two foreign countries. The faculty and staff have been drawn

from every region of the nation, and again many nationalities are represented.

Cornell's activities are mainly centered in Ithaca, New York, on a campus comprising more than ninety major buildings spread across some five hundred acres. Here, the University has the classrooms, laboratories, libraries, experimental gardens, dormitories, and other facilities needed for the work of most of its academic units.

The University has also spread to other communities. It has a medical college and a nursing school in New York City and an aeronautical laboratory in Buffalo, New York. It operates the New York State Agricultural Experiment Station in Geneva, New York. Research teams are at work in several foreign countries.

The stature of Cornell as a university is not a product of its size or location. It is not a function of age or financial standing or geographic origin of students. Both excellence and mediocrity can be found in universities in any size range, any stage of prosperity, and any age group. The factors that distinguish Cornell and place it among the eminent universities of our time lie behind the brick and mortar in the traditions, objectives, and commitments of the University and its people.

THE COLLEGES AND SCHOOLS OF CORNELL UNIVERSITY

In 1868, when the first freshmen assembled on the Ithaca hills, Cornell University already was committed to a curriculum of breadth as well as depth. It offered three programs of study: a "classical" course, following the time-honored pattern of established universities; a "scientific and modern" course, directed to technology and similarly utilitarian studies; and an amalgam of the two called, simply, a "combined" course.

In the intervening years these three segments have grown into an academic complex of fifteen undergraduate and graduate schools and colleges. The curriculum spans almost all the major branches of learning. Bachelors' degrees are awarded in ten broad areas of study.

Eleven of the colleges and schools are now privately financed; four are operated under contract as units of the State University of New York. Regardless of the source of funds, all colleges and schools are full-fledged components of Cornell, interchanging students and supporting each other's efforts and programs. Admission



A fair-weather class on the
College of Agriculture Quadrangle.

to Cornell University involves, in each instance, meeting the entrance requirements to one of these academic divisions.

The central and characteristic unit is the College of Arts and Sciences. A liberal college, it devotes itself to those subjects which enable man to understand himself and his world—the humanities, the physical sciences, and the social studies. It enrolls more students, offers more courses, and has more faculty members than any other unit on the campus. Every undergraduate takes some of its work.

High school graduates are admitted to the New York State College of Agriculture; the Colleges of Architecture, Arts and Sciences, and Engineering; the New York State College of Home Economics; the School of Hotel Administration; and the New York State School of Industrial and Labor Relations. The School of Education supervises curricula beginning in the freshman year, although it does not actually enroll students.

Several divisions are devoted to graduate study, and students may be admitted to those only after some previous college education. The New York State Veterinary College and the Cornell University-New York Hospital School of Nursing require two years; the Law School requires a baccalaureate degree, except in the case of certain fifth-year Cornell engineering students; the Graduate School of Business and Public Administration requires a baccalaureate degree except in a few specific cases; and the Graduate School, the Medical College, the Graduate School of Nutrition, and the Graduate School of Aerospace Engineering all require a baccalaureate degree.

The other academic divisions are Summer Session and Extramural Courses, and Unclassified Students.

For More Information

Because of its diverse programs in teaching and research, a single publication cannot present a detailed description of Cornell. The remaining sections of this Announcement, however, briefly outline educational opportunities and general information to guide the prospective student. Each of the colleges and schools is described, and other publications offering more detailed information are indicated. The prospective student should request the appropriate Announcement after he has determined, from the material in the pages following, what division he desires and considers himself qualified to enter. He may also wish to consult the list of *subjects of study*, identified as to colleges and schools, on

pages 75-79. A list of the Cornell Announcements follows the last page of text in this publication; any Announcement will be mailed without charge.

THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is a liberal arts college. Its students pursue the traditional aim of liberal education: man's understanding of himself and of the world in which he lives.

A four-year course of study leads to the Bachelor of Arts degree. The student's program is so arranged that, for the first two years, he studies in some depth a number of these subjects. In this underclass work he must include at least a year's study in one of the natural sciences, in one of the social sciences, and in one of the humanities, in addition to achieving competence in the use of the English language and in the use of at least one foreign language.

In his upperclass years, he must carry further his work in two or three of these areas of knowledge and must acquire a thorough knowledge of one of them, his major subject.

Though a large part of the student's course of study is required, he still exercises a wide choice in selecting particular courses to meet the requirements and has numerous unrestricted electives. The student is expected to accept a large share of responsibility in shaping his own program of study, though at all times he will have the assistance of a faculty adviser and recourse to other sources of advice on the campus in making the most of his educational opportunities.

A student is offered a wide choice of fields of major study: Anthropology, Asian studies, astronomy, biological science, chemistry, classics, classical civilization, economics, English, French, geology, German, government, history of art, Italian, mathematics, music, philosophy, physics, psychology, Russian, sociology, Spanish, speech and drama.

Though the program of studies in the College of Arts and Sciences has been constructed primarily to assure the successful achievement of a liberal education itself, it is also, according to the graduate schools of law, medicine, and business administration, the best preparation for professional study.

In selecting students for admission to the College, increasing emphasis is being placed upon quality of preparation in English, foreign languages, and mathematics. (See the section "Subject and Test Requirements" on page 37.)

Students interested in the College of Arts and Sciences should request the Announcement of that College. Those interested in graduate study should consult the *Announcement of the Graduate School*.

THE NEW YORK STATE COLLEGE OF AGRICULTURE

The College of Agriculture offers a wide selection of courses emphasizing the basic and agricultural sciences.

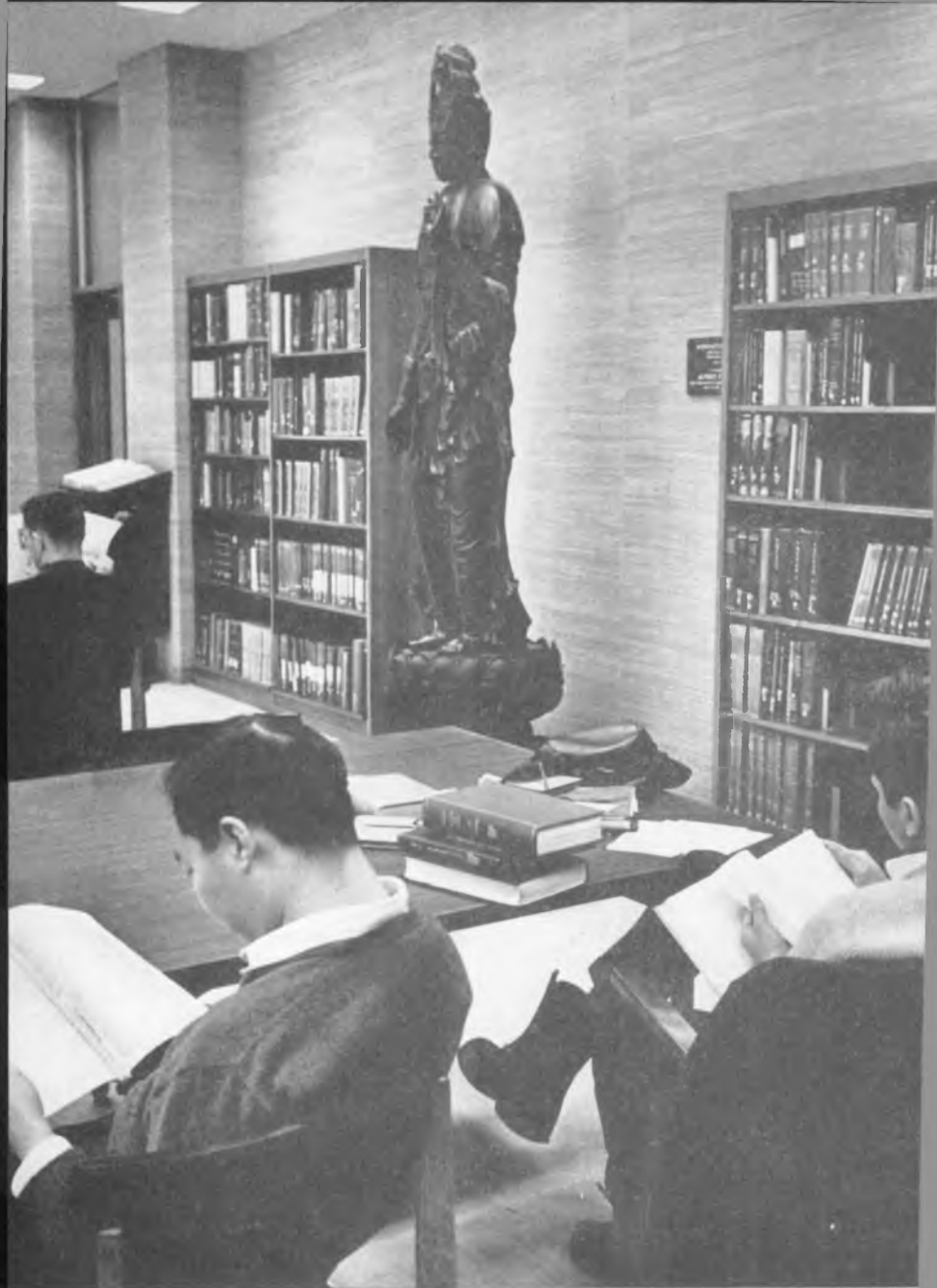
The regular undergraduate program covers four academic years and leads to the degree of Bachelor of Science. Students are not required to follow a prearranged curriculum; instead they may select, with the help of a faculty adviser and within broad requirements for the degree, courses that will best prepare them for their objectives. Graduates enter many fields of agricultural business and industry, agricultural and science education in high school and college, agricultural extension, the increasingly complex field of farming, and many specialized fields in which a scientific knowledge of agriculture is useful. The development of modern agriculture finds its basis in the application of science to its processes and problems. Opportunities are equally stimulating and rewarding to those who develop new knowledge through scientific investigation and to those who apply the findings to practical situations and problems. Many graduates continue their studies in graduate or professional schools.

Special programs have been arranged in cooperation with the College of Engineering, leading to the Bachelor's degree, and with the Graduate School of Business and Public Administration, leading to the Master's degree.

The various departments of the College offer, through the Graduate School, advanced instruction leading to the degrees of Master of Science and Doctor of Philosophy. Detailed information may be obtained from the Dean of the Graduate School.

The College also provides shorter two-year and adult special programs of college grade but not in themselves leading to a degree. Work completed in those programs may be counted toward the Bachelor of Science degree if the student subsequently enrolls in the four-year course. Short courses not of college grade are offered at irregular intervals to meet the needs of special groups.

Requests for further information about undergraduate work and special or short courses should be addressed to the Secretary of the College of Agriculture, Roberts Hall.



The Wason Collection in Olin Library has rare books and manuscripts as well as current publications from the Far East.

THE COLLEGE OF ARCHITECTURE

The College of Architecture offers undergraduate instruction leading to degrees in the fields of architecture and practice of art. At the graduate level, instruction is given in the history of architecture, urban design, structures, city and regional planning, and art.

The major part of the instruction is given in Ithaca, but students also take part in the College's New York City Program, with facilities at 115 East 40th Street, where each undergraduate spends a term in the fourth year.

The course of study leading to the degree of Bachelor of Architecture covers five years. It includes training in the basic skills and disciplines needed by the architect for professional competence in his field, together with courses planned to stimulate his creative imagination and to broaden his knowledge of the social and cultural values that must be reflected in contemporary architecture.

The four-year curriculum leading to the degree of Bachelor of Fine Arts provides professional instruction in the practice of painting, sculpture, and graphic design, supplemented by a considerable body of work in the history of art and in general academic subjects.

A number of advanced degrees are offered in the College, all of which take more than a single year of graduate study.

Students who hold a professional degree in architecture from an accredited institution and who wish to undertake graduate study in urban design may apply for admission as candidates for the degree of Master of Architecture.

Students who wish to undertake graduate study in the history of architecture may apply for admission as candidates for the degree of Master of Arts or Doctor of Philosophy.

Students who wish to undertake graduate study in architectural structures may apply for admission as candidates for the degree of Master of Science.

Graduate work in art is offered to students who have completed their undergraduate training in painting, sculpture, or graphic design, and have proved their capacity to do independent, creative work. Such students may apply for admission as candidates for the two-year course of study leading to the degree of Master of Fine Arts.

In the field of city and regional planning, students who hold degrees in architecture, landscape architecture, or engineering,

or who have majored in economics, sociology, geography, or government in their undergraduate work, may apply for admission as candidates for the degree of Master of Regional Planning. Two years of graduate study are required for the degree.

The Ph.D. degree, with a major in city or regional planning, is also offered for professionally qualified students interested in teaching and advanced scholarly research.

Requests for further information should be addressed to the Dean of the College of Architecture, Sibley Hall.

THE SCHOOL OF EDUCATION

The School of Education provides opportunity for basic and advanced study and research in professional education. Many programs are offered for those who wish to prepare for, or for those who are already engaged in, the teaching profession. On the undergraduate level a program is designed to prepare the student for teaching in the secondary schools; advanced students may prepare for positions as teachers in elementary schools, high schools, or colleges; as school principals, superintendents, or supervisors; as guidance counselors; or for various opportunities in extension work and adult education.

Undergraduate students must be registered in one of the undergraduate colleges, rather than in the School of Education, and may work toward teaching certification while meeting the degree requirements of their colleges.

Students who wish to become candidates for advanced degrees must meet the entrance requirements of the Graduate School.

Details of admission, curricula, and opportunities are discussed in the *Announcement of the School of Education*. Requests for further information should be addressed to the Dean of the School of Education, Stone Hall.

THE COLLEGE OF ENGINEERING

The aim of all undergraduate programs in engineering is to provide an education fundamental to all phases of engineering activity. Beginning in September, 1965, students entering as freshmen in the College of Engineering will be enrolled in new undergraduate degree programs, receiving a Bachelor of Science degree following four years of study.

All freshman matriculants undertake a common program of

studies, except for those obtaining advanced placement in one or more courses. Mathematics, physics, chemistry, and English are included in the freshman year. In addition, one introductory engineering course taught by members of the engineering faculty is offered each term. One of these introduces the fundamentals of engineering design and the other stresses the functions of modern engineering. Freshmen learn CORC, the Cornell computing language, making use of it in their subsequent work in mathematics, science, and engineering courses.

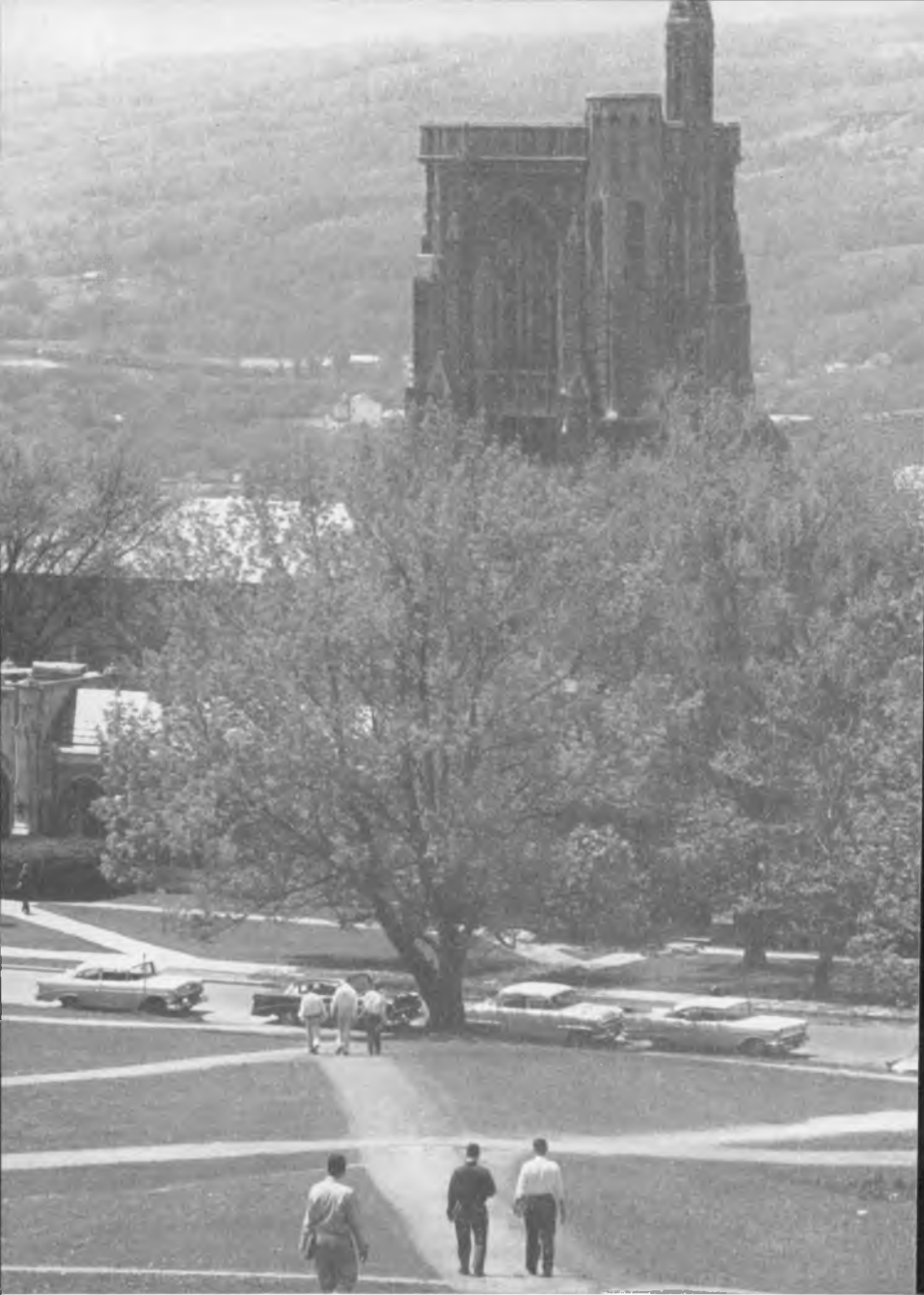
During the sophomore year all engineering students continue further work in mathematics and physics and choose one liberal studies course each term. To complete the program of studies of the sophomore year, two engineering science courses are required each term. There are several from which the choice can be made.

After completing the sophomore year, a student may enroll in one of several Field Programs or the College Program. In either option, he will continue additional work in the engineering sciences and liberal studies and will have two free electives during the junior and senior years.

For students intending to enter practice in one of several traditional engineering fields taught by the College, Field Programs are offered in chemical, civil, electrical, industrial, and mechanical engineering, engineering physics, and materials and metallurgy. To prepare for entry into one of those fields, the appropriate engineering science courses are taken during the sophomore year. After completing the senior year, a graduate of a Field Program may earn the professional Master's degree in one additional year. That degree, representing the level at which graduates will be prepared to seek *professional* engineering employment, follows a three-year integrated program of studies in a particular engineering field—two years in the undergraduate program and one in the graduate.

The College Program accommodates a variety of professional career interests; among them are more intensive work in the fundamental engineering sciences or in one area of a professional field; interdisciplinary work within the various fields of engineering or with engineering and other Cornell curricula; and more general work with a greater emphasis on liberal studies.

The College Program gives Cornell engineering students and faculty alike the opportunity to pioneer in new areas of engineering and applied sciences. Many of those new areas cannot be successfully developed within one field since most of them represent



The tower and cloisters of one of the men's residence halls.
Cayuga Lake Inlet in the background.

the interests of several fields. With the unusually wide range of courses in the various undergraduate divisions at Cornell, many combinations of programs could be developed in a College Program.

Graduates of either the Field Program or the College Program who intend to enter research in applied science or in a specialized engineering area can apply for candidacy in the Master of Science or the Doctor of Philosophy program upon receiving the Bachelor's degree. Some students may undertake graduate or professional study in other fields such as law, business and public administration, city planning, or medical research. Before embarking on such studies, they will decide which level of preparation they want in engineering—Bachelor of Science or professional Master's degree. It is anticipated that most students will continue their education beyond the B.S. degree.

Students may also undertake graduate work in aerospace engineering, nuclear engineering, or theoretical and applied mechanics. They may enroll in a limited number of such courses while they are undergraduates.

The College sponsors an Industrial Cooperative Program for students enrolled in mechanical, industrial, and electrical engineering and engineering physics. By utilizing the three summers after the sophomore year, a student may obtain the equivalent of one calendar year in industry.

THE NEW YORK STATE COLLEGE OF HOME ECONOMICS

The undergraduate program of the College of Home Economics is designed to give basic course work in the general field of home economics and in the arts and sciences closely related to it. The aim of the program is twofold: to provide, through the facilities of the College and the University, a liberal education in the social and natural sciences, the humanities, and the arts, and specialized instruction based upon those disciplines. The College prepares its graduates for professional careers in which the interests and well-being of the individual, the consumer, and the family are paramount. Because the educational program emphasizes both breadth of knowledge and its application to the solution of human problems, it offers professional or preprofessional preparation for an increasing variety of positions.

The program of liberal studies emphasizes those subjects which

have aided man to understand himself and the world in which he lives. It also furnishes the student with basic knowledge required for successful professional work in a society that is changing both technologically and sociologically. The specialized studies relate basic knowledge to an understanding of the needs of people with regard to food, shelter, clothing, management of resources, and interpersonal and family relationships.

Subject matter departments in the College include Child Development and Family Relationships, Food and Nutrition, Home Economics Education, Household Economics and Management, Housing and Design, Institution Management, and Textiles and Clothing. Extension Teaching and Information, a joint department with the College of Agriculture, offers courses in all branches of communications for students in both colleges.

Four years of academic work lead to the degree of Bachelor of Science. Requirements for the degree include study in the humanities; in the biological, physical, and social sciences; and specified courses in home economics. Electives may be taken in the College of Home Economics and elsewhere in the University.

Graduate study in the College leads to either the Master's or the Doctor's degree. Graduate work is offered in all departments. Candidates must qualify for admission to the Graduate School.

Professional opportunities are many and varied. Graduates of the College are employed in teaching at all levels from preschool through college, and in the cooperative extension services; in business as home economists in consumer education and services and in the promotion and testing of such items as foods, textiles, household equipment, and furnishings; in institution food management, hospital dietetics, and nutrition education; in research programs; in social case work and group work, and in the studies of budgets and standards basic to the work of social agencies; in writing, radio, and television. Communication is an important part of many home economics positions as well as being a field of work in itself.

Inquiries about the undergraduate program may be addressed to the Committee on Admissions, College of Home Economics, Martha Van Rensselaer Hall. Requests for information about graduate study may be addressed to the Graduate School, Sage Graduate Center.

THE SCHOOL OF HOTEL ADMINISTRATION

The purpose of the special program in hotel and restaurant administration is to give a thorough professional training for careers in the hotel, restaurant, hospital, and related fields. The curriculum is designed to fit students for positions of executive responsibility.

Besides general cultural material, the course of study includes foods and food preparation, hotel and restaurant engineering and maintenance, general and specialized hotel accounting, food and beverage control, business administration, personnel management, insurance, real estate management, and advertising. The program is technical in that it requires a concentration of effort in scientific courses necessary for an adequate background in a field where highly skilled personnel must be provided. Yet it is sufficiently broad to allow for optional courses that are of value to those who are looking forward to positions of leadership.

The course of study covers four academic years and leads to the degree of Bachelor of Science.

Students receive practical training through the operation of Statler Inn, a practice hotel on the University campus, which includes rooms for transient guests, banquet facilities, service restaurants, and cafeterias.

Requests for further information should be addressed to the School of Hotel Administration, Statler Hall.

THE NEW YORK STATE SCHOOL OF INDUSTRIAL AND LABOR RELATIONS

The School of Industrial and Labor Relations offers professional study in its field for both graduate and undergraduate students. The curriculum is designed to prepare young men and women for careers in personnel and union-management relations work with business and industry, labor unions, and both state and federal governments. Undergraduates pursue a curriculum leading to the Bachelor of Science degree, and graduate study leads to either the Master's or the Doctor's degree.

The four-year undergraduate program aims at an understanding of urban industrial society by providing a general education in the social sciences and an array of courses designed to produce special competence in industrial relations, both complemented by electives in the humanities. The first two years are spent in required courses, half in the School and half elsewhere in the



The cafeteria in Noyes Lodge, a recreation center on the shore of Beebe Lake.

University, mainly in the College of Arts and Sciences. In the upperclass years, students are free to pursue elective courses, again divided about evenly between those given in the School and those offered elsewhere in the University. Choice of Advanced ILR Electives will reflect the individual student's interests in the offerings of the following departments in the School: Organizational Behavior, Labor Economics and Income Security, Collective Bargaining, Labor Law, and Labor Movements, Economic and Social Statistics, and International and Comparative Labor Relations.

Requests for further information should be addressed to the Director, Office of Resident Instruction, School of Industrial and Labor Relations, 101 Ives Hall.

THE GRADUATE SCHOOL

The Graduate School offers facilities for advanced study and research to mature students who wish to receive advanced professional training and to become scholars in the broad sense of the term.

Graduate study is necessarily a highly individual process. The transmission of scholarly enthusiasm and independence from one generation of scholars to another is not assured by a system of regulations and requirements. The faculty regards a person-to-person relationship between the student and his Special Committee or Adviser as the best way for the student to reach scholarly maturity. In consequence, the faculty makes no specific requirements for the advanced general degrees of Master of Arts, Master of Science, and Doctor of Philosophy, but only such general requirements as govern the relationships which, in its considered judgment, best accomplish the aim of graduate study: a period of study in residence, the mastery of some one subject, adequate acquaintance with allied subjects, presentation of a satisfactory thesis, and final examinations.

The Graduate School faculty, as a unit, exercises sole jurisdiction over the advanced *general degrees*. It also has jurisdiction over many of the professional degrees offered by the University. Information concerning qualifications for admission and the courses of study for professional degrees may be obtained from the separate colleges of the University administering these degrees.

Students who may wish to use the facilities of the University for intensive specialized training but who are not interested in

advanced degrees may be admitted as non-candidates under the general supervision of the Graduate School.

To be admitted to the Graduate School an applicant must (1) hold a baccalaureate degree from a college or university of recognized standing or have had work equivalent to that required for such a degree; (2) show promise, as judged by his previous record, of ability satisfactorily to pursue advance study and research; and (3) have had adequate preparation to enter graduate study in his chosen field. Despite very good academic records, however, some applicants may be refused admission because of the limited staff and facilities in some fields in relation to the number of well-qualified applicants.

Inquiries about admission should be addressed to the Dean of the Graduate School, Sage Graduate Center. Inquiries regarding facilities for advanced study and research in a given field and special requirements for such study and research may be addressed to a member of the faculty in the particular field (see the *Announcement of the Graduate School*) or to the Dean.

Persons interested in the possibility of entering the Graduate School should feel free to inquire about opportunities for fellowship support and for part-time employment in the teaching and research programs of the various fields.

THE GRADUATE SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

The objective of the Graduate School of Business and Public Administration is to prepare men and women, through interdisciplinary studies at the graduate level, for administrative careers in private business and public service. Accordingly, the School offers work in many disciplines to provide the potential business or public executive with an understanding of the complexities of the external environment in which he will operate and of the internal workings of the organization of which he will become a part. Although the knowledge and analytical ability a successful executive must possess will be developed in part from the constant challenge and stimulation of experience, education in business or public administration can establish a sound basis for acquiring such knowledge and analytical ability and can accelerate understanding of the administrative environment.

Except as outlined in the Announcement of the School, a Bachelor's degree is required for admission to the two-year program leading to the Master of Business Administration or Master

of Public Administration degree. Generally, about two-thirds of the students have a background of undergraduate studies in arts or sciences, and about one-quarter have studied engineering.

After completing the basic program, the M.B.A. candidate may elect a program of concentration in industrial accounting, professional accounting, finance, managerial economics, marketing, personnel management, production, quantitative analysis for managerial decision making, or transportation. The M.P.A. candidate may elect a concentration in economic analysis and public policy, general public administration and policy formulation, international development and foreign operations, metropolitan and urban studies, or organizational theory and behavior. Candidates for either the M.B.A. or M.P.A. degree may also elect a concentration in hospital and health services administration, to be taken, essentially, in the Sloan Institute of Hospital Administration, an integral part of the Graduate School of Business and Public Administration. In addition, special programs, including combinations of work in the areas listed above, and study at the graduate level in other divisions of the University, are also available. The content of the individual student's program is determined by him in consultation with his adviser.

Through the program in administration and law, organized by this School and the Cornell Law School, a student may obtain the M.B.A. or M.P.A. degree and the LL.B. degree in four years.

The Doctor of Philosophy program provides an advanced and comprehensive education in administration, primarily for those who seek careers in teaching or research. Applicants must meet the entrance requirements of the Graduate School.

The School publishes the *Administrative Science Quarterly*, a scholarly journal concerned with advancing the basic understanding of administration through empirical investigation and theoretical analysis. It also publishes books and monographs on various aspects of administration and policy.

Through its Executive Development Program, the School offers an intensive six-week course of study designed for executives in business firms and governmental agencies. Development programs are also offered for hospital administrators and agribusiness executives. The School administers, with Ford Foundation support, the Latin American Internship Program in Business and Public Affairs.

Malott Hall (1964), which houses the School, was designed to meet the specialized requirements of graduate education in administration.



A winter walk down Library Slope
to Baker Dormitories.

Requests for further information should be addressed to the Director of Admissions and Student Affairs, Graduate School of Business and Public Administration.

THE LAW SCHOOL

The primary function of the Law School is to prepare, for both public and private practice, attorneys who are equipped to render skillful professional service and who are thoroughly conscious of the important role played by the law as a means of social control. The curriculum is designed to prepare students for admission to the bar in all American states and territories.

A student who is admitted to the Law School must have a Bachelor's degree from an approved college or university. The Law School and the Graduate School of Business and Public Administration have developed a program for combining a law school education with training in either business or public administration, according to a student's election, leading to the completion of work in the two fields and the award of two degrees in four rather than five years. Applicants for admission to this combined program must make a separate application to both schools and be approved by both.

The course of study leading to the degree of Bachelor of Laws covers three academic years. A limited number of students will be admitted to a program of study leading to the degree of Bachelor of Laws with specialization in international affairs. Study at the graduate level, leading to the degrees of Master of Laws and Doctor of the Science of Law, is conducted in the Graduate School under the direction of the Division of Law. Candidacy for the degree of Master of Laws is open to those who have earned the degree of Bachelor of Laws and who have decided upon a specialty. Work leading to the degree of Doctor of the Science of Law is planned mainly for those who wish to teach law and who have already received a Bachelor of Laws degree.

Requests for further information should be addressed to the Law School, Myron Taylor Hall, for the attention of the Director of Admissions of the School.

THE MEDICAL COLLEGE

The Cornell University Medical College is in New York City and is associated with the New York Hospital in the New York Hospital-Cornell Medical Center.

In the New York Hospital-Cornell Medical Center are included the Hospital for Special Surgery and the Cornell University-New York Hospital School of Nursing. Included also in an effective union with the Medical College for teaching and research are the Second Division of Bellevue Hospital, and the Memorial Center for Cancer and Allied Diseases, consisting of the Memorial Hospital, the Sloan-Kettering Institute for Cancer Research, and the James Ewing Hospital of New York City for the care of medically indigent cancer patients. This neighboring center is closely associated with the Medical College through the Graduate School of Medical Sciences of Cornell University, which includes a Sloan-Kettering Division and the Medical College Division.

The curriculum of the Medical College leads to the degree of Doctor of Medicine and qualifies graduates for licensing examinations in all states and territories of the United States. The course of study covers four academic years.

Applicants for admission to the Medical College must be graduates of approved universities, colleges, or scientific schools.

Graduate study, leading to the degree of Master of Science and the degree of Doctor of Philosophy, is offered to a limited number of well-qualified students who can satisfy the requirements for admission to the Graduate School of Cornell University and who wish to study in the fields of anatomy, microbiology and immunology, biochemistry, pathology, pharmacology, physiology, or public health.

Requests for information should be addressed to the Chairman, Admissions Committee, Cornell University Medical College, 1300 York Avenue, New York, New York 10021.

THE CORNELL UNIVERSITY-NEW YORK HOSPITAL SCHOOL OF NURSING

The School of Nursing, like the Medical College, is in New York City and is a unit of the New York Hospital-Cornell Medical Center. The program offers to young women a preparation in nursing which qualifies them for professional practice in public health agencies, hospitals, and many other kinds of community health facilities. Opportunities are open to graduates for participation in a wide variety of health services at home and abroad.

Requirements for admission to the School include two years (60 semester hours) of general college work in an accredited college or university. These credits may be earned in any university,

college, or junior college accredited by one of the regional associations of colleges and secondary schools, including the College of Arts and Sciences, the College of Home Economics, and the College of Agriculture in Cornell University at Ithaca.

The course of study in the School of Nursing is three academic years in length and leads to the degree of Bachelor of Science in Nursing.

Requests for further information should be addressed to the Dean of the Cornell University-New York Hospital School of Nursing, 1320 York Avenue, New York, New York 10021.

THE GRADUATE SCHOOL OF NUTRITION

The Graduate School of Nutrition offers academic and research programs in nutrition and food science, leading to the professional degrees, Master of Nutritional Science (M.N.S.) and Master of Food Science (M.F.S.). These programs emphasize fundamental study in the basic sciences that can lead to specialization in such fields as nutritional biochemistry, public health nutrition, human and clinical nutrition, international nutrition, and food science.

The professional degree programs are planned as preparation for students to enter a career upon graduation. In addition, however, for candidates interested in the biological sciences, these programs serve as a valuable preliminary for study toward the Ph.D. degree.

Applicants for admission to the School must hold a baccalaureate degree from a college or university of recognized standing. Requests for further information should be addressed to the Secretary, Graduate School of Nutrition, Savage Hall.

THE NEW YORK STATE VETERINARY COLLEGE

The Veterinary College curriculum, which requires four academic years, provides a broad biological background in the science and art of veterinary medicine. Training includes instruction in the normal and abnormal structure and functions of the animal body, in the diagnosis, prevention, and treatment of animal diseases, and in matters that pertain to public health. Upon completion of the prescribed course of study, the degree of Doctor of Veterinary Medicine is awarded. This degree is recognized by the licensing boards of all states and territories of the United States and by similar agencies in many foreign countries. Graduates may

enter private practice, salaried work with state or federal agencies and private corporations, or research and teaching in a variety of institutions.

Work at the graduate level leading to the degrees of Master of Science, Doctor of Science in Veterinary Medicine, and Doctor of Philosophy is offered in accordance with the regulations of the Graduate School.

Requirements for admission to the college include two years of college work with credits in several specified subjects and satisfaction of a farm practice requirement (not required of women). Students are selected on the basis of scholastic ability and vocational motivation. Since the college is state-supported, preference is given to New York State residents who qualify for admission. Those interested in applying for admission should request a copy of the *Announcement of the New York State Veterinary College*.

THE DIVISION OF UNCLASSIFIED STUDENTS

The Division of Unclassified Students is designed to assist the potentially able student whose basic interests and aptitudes lie outside the course in which he originally enrolled. Any student who has been in residence as a candidate for a degree in any of the colleges or schools of the University may apply for admission. Only those who have a reasonable prospect of achieving their new goals are accepted.

The Division accepts applications for either semester. The student who feels that he is misplaced or is uncertain of his objective should consult the Director as early as possible in his college career.

Application should be made at the Office of the Director in 158 Olin Hall before August 1 for the fall term and before January 1 for the spring term. In addition, the student must notify the Registrar of his desire to transfer.

All students admitted remain under the direct supervision of the Director who serves as their faculty adviser. An unclassified student may elect courses for which he is qualified in any division of the University, subject, however, to the usual limitations on enrollment.

A student registered in the Division may apply for admission to any undergraduate college or school of the University. To be recommended for transfer, the candidate must achieve an average of at least the University median while in the Division.

Registration in the Division is on a semester basis. One semester

is usually a sufficient period to determine a student's fitness for the newly chosen course. A second term of registration may be permitted in a few instances where definite progress has been made and when more time is necessary to meet basic requirements for transfer. If at the end of two terms he has not been accepted by another school or college on the campus, he may not reregister in the Division of Unclassified Students.

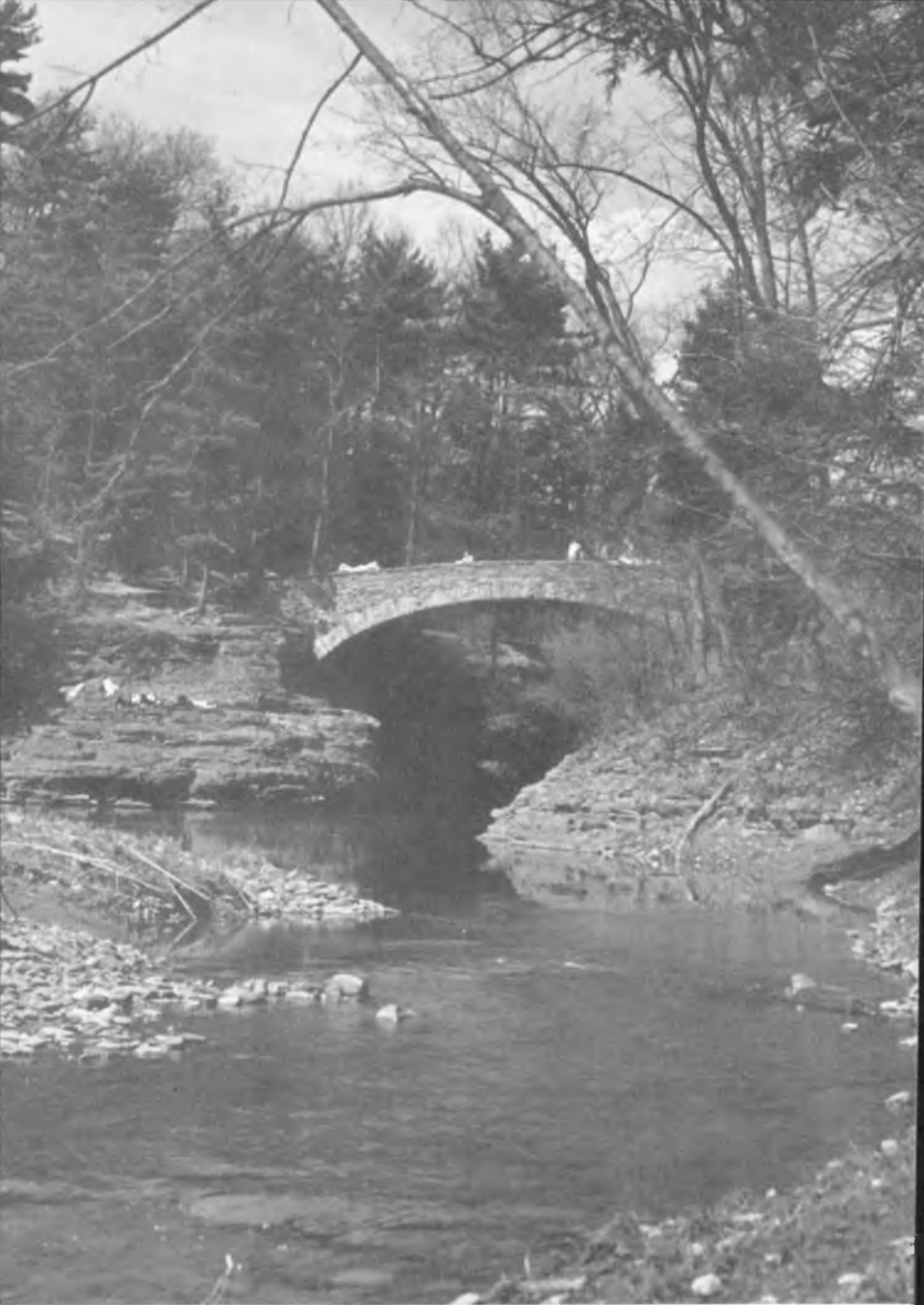
The Administrative Committee of the Division has the same authority to admit students, drop them, place them on probation, or remove them from probation that is exercised by a special faculty committee with respect to the students of its college. Students in the Division are regular students in the University; if in good standing they may participate, like any other students, in extracurricular activities.

THE DIVISION OF SUMMER SESSION AND EXTRAMURAL COURSES

Cornell University provides opportunity, through the Division of Summer Session and Extramural Courses, for students to engage in formal and informal study outside the period of the regular fall and spring terms of the academic year and/or through part-time study. Such study may be to meet requirements for academic degrees, to satisfy such personal needs as preparation for entrance and advancement in employment, to serve avocational and cultural interests, and for other purposes involving college-level participation. This opportunity is available at both the undergraduate and graduate levels.

The Summer Session

A variety of programs in terms of both purpose and duration are available within the period following the end of the regular academic year in June and the beginning of the fall term in September. These involve the faculties and facilities of the various schools and colleges of the University. In addition to the formal courses characteristic of the academic-year terms, specially designed programs are planned to serve the needs of special groups through institutes, conferences, informal study, and seminars. All the necessary facilities of the University are available to persons registered in the Summer Session. Particular advantage is taken of the attractive summertime environment of the University's location in the Finger Lakes region.



Fall creek forms a natural swimming pool at the upper end of Beebe Lake.

Extramural Courses

Through this means of registration, the University seeks to serve those who are employed in the professions, in business and industry, in public service, and otherwise, whose available time does not permit full-time study. Students are admitted to courses on the basis of their qualifications to do the work required in each specific course. Normally a registration may not exceed a total of more than seven credit hours in a single term. This opportunity is available in two forms: (a) courses made available in off-campus centers, located to suit the convenience of a sufficient number of students to warrant the offering; and (b) registration in on-campus courses as scheduled for the regular full-time students. All such courses carry the same credit as for the full-time student.

Requests for additional information about either the *Summer Session* or *Extramural Courses* should be addressed to the Director, Summer Session and Extramural Courses, Ives Hall.

OFFICER EDUCATION

As a land grant institution chartered under the Morrill Act of 1862, Cornell has offered instruction in military science for more than ninety years. It provides this instruction through the Reserve Officers' Training Corps programs of the three military departments, the Army, the Navy, and the Air Force.

The ROTC programs offer a male student the opportunity to earn a commission while he is completing his education, thus enabling him to fulfill his military commitment as an officer rather than through the draft, or to become qualified for a career in the service of his choice. To obtain a commission in one of the armed services, a student must complete a two-year or a four-year course of study in an ROTC program and must meet certain physical standards. Upon graduation he receives a commission and serves a required tour of active military service.

Participation in ROTC is voluntary. Interested students should preferably enroll in the fall of the freshman year, since openings in the two-year program may be restricted, depending on conditions at any particular time.

Further information is given in the *Announcement of Officer Education*, which may be obtained by writing to Cornell University Announcements, Edmund Ezra Day Hall.

ADMISSION TO CORNELL

The first step toward entering an undergraduate college or school is to write to the University Office of Admissions, Edmund Ezra Day Hall, for an application blank. Correspondence regarding entrance to the Graduate School, the Law School, the Medical College, the School of Nursing, the Graduate School of Nutrition, the Graduate School of Business and Public Administration, and the Graduate School of Aerospace Engineering should be addressed to the heads of those divisions.

GENERAL ADMISSIONS POLICY

Cornell University's colleges and schools include eight offering instruction at the undergraduate level: the Colleges of Agriculture, Architecture, Arts and Sciences, Engineering, and Home Economics; the Veterinary College; and the Schools of Hotel Administration and Industrial and Labor Relations. Each of these divisions is limited in the number of students who can be accommodated. The number of applicants with minimum qualifications exceeds the number who can be admitted, thus creating a highly competitive situation among candidates. Those are selected each year who, in competition with others seeking admission at the same time, have best demonstrated by their superior qualifications that they deserve acceptance. It should be clearly understood that each candidate is a competitor only with those seeking entrance to the same division of the University, and that the professional divisions in particular must restrict their selections to those who, meeting all other qualifications, appear well fitted for the particular field of work to which the course of study is directed.

Transfer from one division to another after enrollment may be difficult for two reasons: (1) different divisions have different admission requirements and a student acceptable to one is not necessarily acceptable to another; and (2) the total enrollment in any one division is limited. Transfer into the College of Arts and Sciences is especially affected by these restrictions. The selection of the proper college course is therefore most important. A choice should be made only after careful thought, investigation, and consultation with those familiar with the candidate's abilities and interests. Secondary school advisers should be consulted. The Office of Admissions, also, is always ready to help prospective applicants.

The University welcomes applications for admission from all those who are interested in studying at Cornell, regardless of race, religion, creed, or nationality. Selection of students is not governed in any way by those factors.

Scholarship

As an educational institution, Cornell University is devoted primarily to the intellectual development of its student body. Those selected for admission must have demonstrated, without question, through their previous schooling, the intellectual capacity to carry the classroom work and to profit from the instruction offered in the division of the University to which application is made. Intellectual preparedness for study at Cornell is judged by the candidate's secondary school record, the recommendations of school authorities, and the tests of the College Entrance Examination Board.

Extracurricular Activities

To supplement but not replace the basic requirement of demonstrated intellectual capability, evidence of the candidate's ability to make effective use of his free time is an important consideration. This factor is judged by the character and quality of the student's participation in the extracurricular activities associated with his school and his community and the use he has made of summer vacations. Work experience which is related to the candidate's educational objective is particularly valuable.

Character, Personality, and Motivation

The intangible but important factors which form good character and an effective personality all receive full consideration by the selection committee. In addition, evidence of a sound motivation for attaining higher education in general and for pursuing a specific field of education is desirable. Capacity for leadership and concern for others receive due weight. Those factors are usually judged by the school's report and references submitted on behalf of the candidate. Several divisions of the University require personal interviews at specified times. If a candidate is applying to one of these divisions, he will be given ample notice concerning when and where the interview will be held.

The University utilizes a large number of alumni organized as Secondary School Committees in many sections of the country.



Cornell has teams in 21 intercollegiate sports, and about 4,000 students participate in 23 intramural sports.

These alumni are encouraged to meet with applicants whenever possible. Such contacts often provide the candidate with additional information concerning the University, and the University uses this interview as an additional source of information concerning the candidate's character, personality, and motivation.

Geographical Distribution

Cornell University draws its students from all parts of the world and from all walks of life. The University is proud of the cosmopolitan and democratic makeup of its student body, believes in the educational values inherent in bringing to the campus persons of widely different backgrounds, and directs its admissions policy to the preservation of this fundamental characteristic.

The New York State-supported divisions of Agriculture, Home Economics, Industrial and Labor Relations, and Veterinary Medicine recognize these same values within their student bodies and encourage applications from well-qualified out-of-state students. The bulk of their candidates will, however, be selected from among applicants resident in New York State.

The endowed divisions—Arts and Sciences, Architecture, Engineering, and Hotel Administration—impose no restrictions as to residence. In choosing from among candidates of approximately equal qualifications, some preference may be given to those whose homes are in areas not adequately represented in the student body.

Children of Alumni

The University desires to include in the student body the children of its alumni who are qualified for admission. In choosing between candidates of approximately equal qualifications, including scholarship, extracurricular activities, character, personality, and motivation, as described above, the son or daughter of an alumnus may receive preference.

Women Students

The total number of women students at Cornell is fixed by the extent of the facilities provided by the University for the housing of women students. Present facilities are such that the number of women admitted each year must be very definitely restricted, with the result that competition for admission is especially severe for that group of applicants.

FRESHMAN APPLICATIONS

The Time for Applying

Applications—admission and financial aid (see below)—must be received at the University in ample time to allow for assembling credentials, completing required tests, and reviewing by the committees. Secondary school students should, if possible, initiate their admissions applications in the fall of the year preceding matriculation in college. Application due dates for the various divisions of the University are indicated in the section "Application Due Dates," page 43. The review of applications for all divisions of the University will begin not later than the first of February.

Admission

A candidate for admission as a freshman must satisfactorily complete secondary school subjects carrying a value of at least sixteen entrance units, except for Home Economics which requires eighteen units. The subjects in which these units may be offered, the number of units that may be credited in each subject, and the units required in specific subjects by the several divisions of the University are listed in detail on pages 37–42. Those pages should be carefully studied by every prospective student.

To enter Cornell, a student must be at least sixteen years old and have a satisfactory knowledge of the subjects required for admission. That knowledge may be demonstrated in two ways: by presenting an acceptable school record, and by presenting acceptable ratings in tests given by the College Entrance Examination Board as specified in consultation with the Cornell Office of Admissions. (See the section "Entrance Subjects and Units," pages 45–46.)

Early Decision

An Early Decision Plan is available to a limited number of highly qualified male candidates whose college preference is clearly Cornell. Only senior men who are superior in terms of school performance during the first three years, junior-year scholastic aptitude tests of the College Entrance Examination Board, personal qualities, and school recommendations are likely to qualify for favorable consideration. Early Decision Plan candidates must submit their applications by November 1 of their senior year.

Decisions are given by December 15. Write to the Office of Admissions for additional information about this program.

Financial Aid

Candidates for admission who also desire financial aid should note carefully the section "Financial Aid," pages 66-67. A separate financial aid application is required.

SUBJECT AND TEST REQUIREMENTS

Agriculture, B.S., four years

Sixteen units representing completion of a secondary school course which must include English, four units; and college preparatory mathematics, three units. It is strongly recommended that high school students carry enough courses to offer eighteen entrance units and that these include biology, chemistry, and physics. The Writing Sample of the College Entrance Examination Board is required; however, it may be presented any time prior to matriculation and is not required for admission consideration. The scholastic aptitude test of the College Entrance Examination Board is also required. Applicants are encouraged to complete College Board achievement tests in two of the following: English composition, mathematics, science.

Special two-year courses are also available in the College. For details consult the Announcement of those courses.

Agricultural Engineering, B.S. (College of Engineering)

Applicants for this professional engineering program must satisfy the entrance requirements of both Agriculture (above) and Engineering (page 41). For the first three years the student is registered in the College of Agriculture and for the fourth year in the College of Engineering.

Architecture, B.Arch., five years; B.F.A., four years

All candidates for admission to the College of Architecture must take the scholastic aptitude test of the College Entrance Examination Board.

Three years of a foreign language, ancient or modern, are required for entrance. A candidate who has less than three years

of preparation in a foreign language, but who makes a satisfactory score on the College Entrance Examination Board achievement test, will meet the requirement. When three years of foreign language are unavailable, units in history or science may be substituted for the foreign language requirement for entrance by decision of the admissions committee, but the language requirement must be satisfied before graduation. When the required language credit is not offered for admission, a letter of explanation of this deficiency must be sent to the admissions committee for its consideration. If an applicant plans to continue in college to study a language he has already begun, the College advises him to take the College Entrance Examination Board achievement test in that language, for placement purposes.

In addition to the general requirements listed above, candidates for admission to the College of Architecture must demonstrate satisfactory knowledge of the following subjects:

ARCHITECTURE (B. ARCH.)

Sixteen units including English 4; mathematics 4; foreign language 3 (see above).

Mathematics must include intermediate algebra, plane geometry, and trigonometry, taken either as separate courses or included within comprehensive mathematics courses.

An acceptable course in physics, taken either in secondary school or in college, is required for graduation.

The program in architecture is purely professional in objective. Only those who are seriously interested in careers in architecture should make application for admission. Every candidate for admission is advised to read professional literature, visit professional offices, talk with students of architecture or recent graduates, and otherwise inform himself about the field. It is usually wise to resolve serious doubts in favor of starting with a program of general education.

ART (B.F.A.)

Sixteen units including English 4; college preparatory mathematics 2; foreign language 3 (see above). Remaining units should, in the main, consist of science and social studies (including history).

Arts and Sciences, A.B., four years

Sixteen units of entrance credit are required. The sixteen units are to include four years of English; three years of college preparatory mathematics; three years of a foreign language (ancient or modern); and a satisfactory score on the College Entrance Examination Board achievement test in the language. A candidate with less than three years of preparation in a foreign language but who makes a satisfactory score on the achievement test will meet the requirement. (Since there is a substantial language requirement for the degree, a lower level of preparation than this would be unsuitable.) The remaining units should be chosen from laboratory science (at least one unit of biology, chemistry, or physics), social studies (at least one unit of history, government or geography), and further work in mathematics and foreign language. Whenever possible, these minimum sixteen units should be supplemented by additional courses in similar academic subjects.

Each candidate for admission is required to take by January of the senior year (preferably in December) the following College Entrance Examination Board tests: scholastic aptitude; English composition; and language achievement (at least one). The language achievement test should be taken in the junior year if the applicant is completing study of the tested language at that time. (If a language is continued in the senior year, it is to the candidate's advantage, if he is accepted and decides to enter Cornell, to take the language achievement test *again* in May or July for placement purposes.) A candidate should also keep in mind the further language requirement which he must meet by the end of his sophomore year in the University. (See the *Announcement of the College of Arts and Sciences* for further details.) If he has had two or more years of a second foreign language in school and wishes to use that second language toward fulfilling this requirement in college, he should also take the achievement test in that second language, though he need not do so as early as December or January. Acceptable scores on the achievement tests in modern foreign languages will be set to correspond with the actual amount of instruction received at the time the tests are taken and to measure the achievement after one and a half years, two and a half years, or three years of instruction.



A Lipchitz sculpture provides a meeting place
outside Olin Library.

Engineering

Two-year Basic Program followed by two years leading to a Bachelor of Science degree; one additional year for the Professional Master's degree in the appropriate field.

Sixteen units including English, four units; one foreign language, two units; history, two units; elementary and intermediate algebra, two units; plane geometry, one unit; trigonometry, one-half unit; either advanced algebra, one-half unit, or solid geometry, one-half unit; chemistry, one unit; *and* physics, one unit. It is recommended that the candidate offer advanced algebra, if possible, and that at least three of the elective units offered be in further study in language or history. The mathematics units listed above may be taken as separate courses or may be included within four units of comprehensive college preparatory mathematics. The scholastic aptitude test of the College Entrance Examination Board is required.

All candidates must take College Entrance Examination Board achievement tests in mathematics and in chemistry or physics. The Level I achievement test in mathematics is required of *all* applicants and must be taken no later than January of the senior year. The Level II test should be taken *in addition* by applicants who wish placement in advanced sections of the first calculus course. Applicants seeking advanced placement for college credit should take the College Board advanced placement mathematics examination in May of the senior year. Applicants should take the achievement test in chemistry or physics in May of the junior year or in December or January of the senior year, provided they have completed one year of study in the subject in the junior year.

Home Economics, B.S., four years

Because students in the College normally carry five or six subjects each semester, it is required that students carry enough courses in high school to offer eighteen college entrance units; at least sixteen of these units should be in English, foreign language, mathematics, science, and social studies. (See also page 45.)

Because all students in the College of Home Economics must take college courses in the biological and physical sciences, it is required that the following be taken in high school: biology, one unit; mathematics, three units; chemistry or physics, one unit; and, in addition, English, four units.

The scholastic aptitude test of the College Entrance Examination Board is required. Candidates will be considered for admission only if they achieve *two* of the following in their secondary school work: (1) a high school average of at least 85 per cent at the end of the seventh semester of the high school course; (2) a scholastic rating in the upper two-fifths of the graduating class at the end of the seventh semester; (3) a score of 500 or above on the verbal section of the scholastic aptitude test of the College Entrance Examination Board.

Hotel Administration, B.S., four years

Sixteen units which must include English, four units, mathematics, three units; and science, one unit (preferably chemistry or physics). The remaining units should include additional mathematics and sciences, social sciences, and a foreign language. The scholastic aptitude test of the College Entrance Examination Board is required.

Industrial and Labor Relations, B.S., four years

Sixteen units, including four units of English. The remaining twelve units should consist of college preparatory courses such as foreign language (ancient or modern), history, mathematics, science, and social studies. The scholastic aptitude test of the College Entrance Examination Board is required. Candidates are encouraged but not required to present results of College Board achievement tests in English composition and in mathematics. In addition, each applicant is required to submit with his application a 500-word statement (preferably typewritten), indicating the basis for his interest in the field of industrial and labor relations.

Veterinary Medicine, D.V.M., four years

Satisfactory completion of two years' study in an approved college or university are required for entrance. The two years of study must include English, six hours; physics, six hours; biology or zoology, six hours; and chemistry, twelve hours including organic chemistry. The requirement *cannot* be met in the special two-year course in Agriculture. See *Announcement of the New York State Veterinary College*.

APPLICATION DUE DATES

Applications for admission in September, 1966, should be submitted by January 1 if at all possible. Assembling complete records for all candidates takes considerable time and the careful review of applications is a long, detailed process. This January 1 date has been set to provide adequate time to process and review applications.

Some prospective students, however, may not find it possible to have their applications on file by January 1, as recommended above. Hence some leeway has been provided in the schedule as follows:

ARTS AND SCIENCES: January 15 is the final due date, after which no further applications can be considered.

HOME ECONOMICS, INDUSTRIAL AND LABOR RELATIONS, AND VETERINARY MEDICINE: February 15 is the final due date, after which no further applications can be considered.

AGRICULTURE, ARCHITECTURE, ENGINEERING, AND HOTEL ADMINISTRATION: March 15 is the due date after which no further applications can be considered except as noted below.*

A separate financial aid application is required if financial assistance (scholarships, loans, jobs) is desired; it should be submitted by January 1 if possible. A financial aid application and a Parents' Confidential Statement should reach Cornell at about the same time as the application for admission. If a candidate applies for financial aid after January 15, he will be at a serious disadvantage because of the nature of the financial aid selection process. Financial aid application forms may be obtained from either the Office of Scholarships and Financial Aid or the Office of Admissions; College Scholarship Service Parents' Confidential Statement forms may be obtained from secondary schools.

* After the March 15 due date, late applications will be accepted for these four divisions if places in their respective classes remain to be filled, and if requests for such applications are approved by the divisions concerned. A student who wishes a late application should explain in a letter why the request is being made late. Such letters should be addressed as follows: Agriculture: Professor L. H. Harden, 195 Roberts Hall; Architecture: Professor A. H. Detweiler, 127-A Sibley Hall; Engineering: Mr. D. H. Moyer, 221 Carpenter Hall; Hotel Administration: Mr. D. C. Dunn, 431 Statler Hall.



The Browsing Library in Willard Straight Hall,
the student union building.

ENTRANCE SUBJECTS AND UNITS

The subjects that may be offered to satisfy entrance requirements, in addition to those specified in the sections above, and the number of entrance units that may be credited in each subject are listed below. A unit represents a year of study in a given subject in a secondary school. Ordinarily, it takes 120 hours of classroom work to satisfy the requirements of a year's study, that is, a minimum of 160 class periods if each period is 45 minutes long. Two hours of laboratory are considered equivalent to one hour of classroom work. In drawing and industrial arts, 240 hours are required to earn one unit and 120 hours to earn one half-unit.

ENTRANCE SUBJECTS

ENGLISH, 4 years (required of all entering students).....4

FOREIGN LANGUAGES (modern and ancient).....1, 2, 3, or 4
(If it is planned to present a foreign language for entrance credit, it is desirable to present at least three years, although credit will be granted for a single year of study in not more than two languages.)

MATHEMATICS

Elementary algebra	1	Plane geometry	1
Intermediate algebra	1	Solid geometry	$\frac{1}{2}$
Advanced algebra	$\frac{1}{2}$	Plane trigonometry	$\frac{1}{2}$

Or (for schools following the recommendations of the College Board Commission on mathematics):

College preparatory mathematics.....1, 2, 3, or 4

SCIENCES

Biology	1	Physical geography	$\frac{1}{2}$ -1
Botany	$\frac{1}{2}$ -1	Physics	1
Chemistry	1	Zoology	$\frac{1}{2}$ -1
General science	1		

(If a unit in biology is offered, a half-unit in botany and a half-unit in zoology may not be counted.)

HISTORY, including social studies (each course)..... $\frac{1}{2}$ -1

VOCATIONAL SUBJECTS

Agriculture	$\frac{1}{2}$ -7	Home economics	$\frac{1}{2}$ -2
Bookkeeping	$\frac{1}{2}$ -1	Industrial arts	$\frac{1}{2}$ -1
Drawing	$\frac{1}{2}$ -1		

ELECTIVES: any high school subject or subjects not already used and acceptable to the University..... $\frac{1}{2}$ -2

ENTRANCE UNIT CREDIT

In the section "Subject and Test Requirements," on pages 37-42,

the number of entrance units for each Cornell division is prescribed, with some subjects either recommended or definitely required. To be eligible for consideration by the selection committee, a candidate must demonstrate satisfactory knowledge of the subjects required; the secondary school record is usually the principal factor in determining this eligibility.

Entrance unit credit will be granted only in those subjects in which the candidate attains the college recommending mark of the secondary school, except in a sequence course such as English or a language, in which case credit for the full sequence will depend upon attaining the college recommending mark of the school in the final year of the sequence.

Failure to reach the recommending mark in a subject may be overcome by repetition of the course, by completing the appropriate College Entrance Examination Board achievement test at a satisfactory level, or, if the candidate has prepared for college in New York State, by an acceptable grade on the appropriate State Regents examination.

The Regents Examinations, prepared by the New York State Education Department, are not required by any division of the University. They are particularly desired, however, of applicants from New York State who are candidates for admission to the College of Agriculture or the School of Industrial and Labor Relations, and they are useful in the evaluation of candidates for the other divisions as well.

ADVANCED PLACEMENT FOR ENTERING FRESHMEN

Prospective entering freshmen who have taken college-level courses in secondary school have the opportunity to qualify for advanced placement (and often for advanced standing credit) in these areas of study: biological sciences, chemistry, English, history, Latin, literature, mathematics, modern foreign languages, music, and physics.

In general those who wish to be considered for advanced placement or credit should plan to take the appropriate advanced placement examination(s) of the College Entrance Examination Board in May. Some of the departments listed above offer their own examinations at entrance, however, as an alternative or supplementary method of seeking advanced placement or credit.

Details about this program are contained in a leaflet entitled *Advanced Placement of Freshmen at Cornell University*, which is available on request from the Office of Admissions.

TEST REQUIREMENTS OF THE COLLEGE ENTRANCE EXAMINATION BOARD

College Board test requirements are listed specifically for freshmen candidates in the section "Subject and Test Requirements," pages 37-42.

Candidates are urged to take the scholastic aptitude test in December, but no later than January in any case, for fall entrance. They should request the College Entrance Examination Board to send their test scores to the Office of Admissions, Cornell University.

Candidates may make application for these tests either through their schools or by writing directly to the College Entrance Examination Board at Box 592, Princeton, New Jersey, or Box 1025, Berkeley 1, California.

ADMISSION OF TRANSFER STUDENTS

A student who has attended another college or university and wishes to transfer to an undergraduate course at Cornell uses the same application form as a prospective entering freshman; the same application due dates stated on page 43 are applicable for entrance in the fall term with the exception of the School of Industrial and Labor Relations, which will accept transfer applications until April 15. Although all divisions of the University accept a limited number of transfers for the fall term, only Agriculture, Architecture, Engineering, Hotel Administration, and Industrial and Labor Relations consider applications for the spring term. For entrance in the spring term an application should be filed during October or November with a deadline date of December 1.

The applicant should be prepared to send a copy of the institution's catalog, on which he has written his name and checked each course he has taken, only if requested to do so. A statement of his secondary school record must be provided on a standard form furnished by the Office of Admissions.

In addition, transfer applicants should be prepared to furnish transcripts of all work completed at the college level. For students wishing to be admitted in *September*, the transcript should include work taken the prior fall term plus a listing of courses being taken during the spring term. For students wishing to be admitted in *February (spring term)*, the transcript should include work taken through and including the previous summer, plus a listing of courses being taken during the fall term.

Admitted transfer students will be required to submit a transcript of *all* college work completed prior to entrance.

When a transfer candidate submits an application, he will receive a leaflet entitled *Transfer to Cornell University*, which contains complete instructions including College Entrance Examination Board test requirements. If time allows, however, the prospective transfer candidate is urged to write to the Office of Admissions for this leaflet *before submitting his application* so that he will be aware of College Board test requirements for the program of his choice.

Because of regulations governing residence and housing limitations, only a few women with advanced standing can be accepted in the College of Arts and Sciences. Consequently, serious consideration can be given only to the applications of students of exceptional promise. High scholarship, superior personal qualifications, and impelling reasons for transferring will weigh heavily in the selection. Candidates for sophomore standing should have taken freshman programs consisting of courses similar to those in the College of Arts and Sciences and permitting easy integration with the undergraduate curriculum. Candidates for junior standing will be expected to have fulfilled most of the language and distribution requirements of the College and to have met the prerequisites of the intended major.

ADMISSION OF SPECIAL STUDENTS

A candidate for admission as a special student should consult the Announcement of the division of the University in which he wishes to study, because the requirements of the various colleges are not all alike. An applicant must give evidence of ability to do creditable work in his chosen field, and he must be recommended for admission by the division in which he proposes to study. Several of the colleges have minimum age limits for special students, although these age limits are waived for those who already hold Bachelors' degrees.

HOUSING AND DINING

Undergraduate Men

Attractive, quiet residence halls for approximately 2,000 men are provided by the University. They are a five-minute walk from

the center of the campus and are situated on a fifteen-acre plot to the west of the main campus, overlooking Cayuga Lake to the north and the valley to the south. The area is bounded by West, University, and Stewart Avenues and Campus Road. There are two groups of residence halls: the Baker Group and University Halls.

The Baker Group comprises Baker Tower, Founders Hall, North and South Baker Halls, Boldt Hall and Tower, Mennen Hall, Lyon Hall, and McFaddin Hall. It is of fireproof construction, English collegiate in design, and affords accommodations for about 650 men.

University Halls, consisting of six buildings, were opened in 1954 and accommodate 1350 men. They are of modern fireproof construction and offer excellent study, social, and recreational facilities.

Students not assigned to residence halls under direct supervision of the University secure quarters in fraternity houses (for members only), rooming houses, cooperative houses, or private homes.

An application form for University residence halls will be mailed automatically by the Office of Admissions to each male candidate for admission as a freshman or a transfer student at the time of notification of provisional acceptance to the University. Housing in University residence halls can be guaranteed for entering freshmen students who have been admitted to the University and have filed dormitory applications by May 15.

Cornell men are at liberty to dine wherever they choose; but, within its varied food service program, Cornell offers a special dining arrangement for its student men. This meal plan, which is entirely optional in every way and available to any Cornell man, incorporates many desirable features. It provides for the prepayment of dining fees on a semester basis, and it affords worthwhile savings in food costs. The plan offers a selection of dining rooms: Willard Straight Hall, the student union building; Baker Cafeteria in University Hall, Unit I; the Noyes Lodge on Beebe Lake; the Martha Van Rensselaer Cafeteria; and the Dairy Bar Cafeteria in Stocking Hall. Devised to meet student needs, this dining arrangement encourages good eating habits in comfortable surroundings and a friendly atmosphere; it is designed for economy and convenience and allows for a wide menu selection and a liberal mealtime schedule.



Two deep gorges run through the Cornell campus. Engineering students inspect the dam above Triphammer Falls.

Undergraduate Women

Cornell University provides comfortable, well furnished residence halls and dining rooms for undergraduate women students. Undergraduate women are required to live in University-operated residence halls, or sororities (for members only), unless, because of exceptional circumstances, other arrangements are approved by the Office of the Dean of Students.

An application form for living accommodations for undergraduate women will be sent to each candidate by the Office of Admissions with the notice of provisional acceptance to the University.

Graduate Students

The University has two residence halls for graduate students. The Sage Graduate Center accommodates 210 men and women, and Cascadilla Hall houses 160 men. The dining service in the Sage Graduate Center is available to all graduate students and faculty. Graduate students who wish to apply for housing should write to the Department of Housing and Dining Services, Room 223, Edmund Ezra Day Hall, when their plans to enter the University are complete.

Law Students

In September, 1963, the Charles Evans Hughes Law Residence Center was opened. It is adjacent to and connected with Myron Taylor Hall, which houses the Law School. The Law Residence Center has facilities for about 130 men. Matriculating law students will receive an application form with their acceptance letter from the Law School.

Married Students

Unfurnished apartments for 400 married students and their families are provided by Cornell in the Cornell Quarters (84 apartments), Pleasant Grove (96 apartments), and Hasbrouck (246 apartments).

Detailed information on all types of housing, including off-campus housing for men and married students, may be obtained by writing the Department of Housing and Dining Services, Edmund Ezra Day Hall.

COUNSELING SERVICES

The University, through the Office of the Dean of Students, maintains counseling services that are available at all times to any student who needs assistance, either in connection with routine matters that may come up in his normal life on the campus or in connection with special personal problems.

The staff of the Office of Dean of Students is prepared to assist students in answering questions regarding educational programs, health, and extracurricular activities. Referrals may be made to other professionally trained members of the University or college staffs who are best qualified to be of assistance in the particular problem.

Responsible adults and student counselors, who are members of the staff of the Dean of Students, live in the residence halls and sororities and are available at all times to help with individual and group problems.

The services of the Dean of Students' Office are available to many of the student organizations that deal with student government, the social program, fraternities and sororities, and other extracurricular activities.

Students may also be referred to the Educational-Vocational Guidance Office, 301 Stone Hall, for diagnosis of academic problems, for assistance in selecting a curriculum, or for determining vocational goals.

In addition to the University-wide counseling services, the various colleges and schools of Cornell maintain counseling facilities for their students, offering them advice on matters that arise in connection with courses of study and other academic work.

The University sponsors an orientation program at the beginning of the school year, which seeks to acquaint the new student with the academic, extracurricular, and social life of the University.

Some of the colleges at Cornell individually conduct extended orientation programs or courses throughout the year for their own students.

Additional counseling services to students are described in these sections: "Educational and Vocational Guidance," "Placement Service," "Foreign Students," and "Religious Affairs," all on page 53; and "Financial Aid" on page 66.

EDUCATIONAL AND VOCATIONAL GUIDANCE

Educational and vocational counseling begins in the separate colleges and schools, where the undergraduate will be assigned a faculty adviser who will help him in the selection of courses which will give him the best preparation in his chosen field.

Students desiring assistance in the diagnosis of academic problems, selection of a curriculum, or determining of vocational goals may also be referred to the Educational-Vocational Guidance Office, 301 Stone Hall, for an intensive program of testing and counseling.

PLACEMENT SERVICE

The University Placement Service in Day Hall assists students and alumni in finding full-time career positions, principally in business, industry, government, and other areas except teaching. There is a separate Educational Placement Bureau, at 320 Wait Avenue. In addition to career placement, the service assists students in finding summer jobs in camps, hotels, business, industry, government, etc. Information is also provided about graduate study, particularly in the professions.

Interviews are scheduled on campus between students and employers or admissions directors from graduate schools. Students interested in using the Placement Service are advised to register with the office early in the fall.

FOREIGN STUDENTS

The University maintains an International Student Office, and foreign students are invited to write to that office for any information they may need, or to consult the staff about any problems they may have.

Foreign students are requested to report to the International Student Office, 142 Edmund Ezra Day Hall, when they arrive at Cornell.

RELIGIOUS AFFAIRS

Although Cornell is a nonsectarian institution, religious affairs assume a large and important place on the campus. Cornell United Religious Work, the University's division of religious affairs, makes ample provision for fostering the religious life of



Main gallery of Olin Library has exhibits of books and manuscripts.

students in a manner consistent with Cornell's historic principle of freedom for all religious traditions but control by no single group. Anabel Taylor Hall, Cornell's spacious center for religious activities, is widely known throughout the country. Cornell United Religious Work is staffed by twelve University Chaplains representing the major religious traditions at Cornell, and by a director and his associates, all of whom counsel, teach, and serve students. CURW combines the concerns of those affiliated with the religious groups and also of those others who wish to increase their self-understanding and to serve the campus and the community without formal membership in any established group.

Within CURW is opportunity for worship, study, and service: *Worship*: through Sunday morning nondenominational services in Cornell's Sage Chapel conducted by distinguished visiting clergymen from around the world; and through the denominational services held in Anabel Taylor Hall and in churches in the Ithaca area. *Studies*: through noncredit courses in religion, special lectures, seminars, discussion groups, and informal study in the Barnes Library of religion. *Service*: through many programs enabling students to do significant volunteer work in social agencies of the local community, in distant communities where special needs suggest special projects, and in areas of need overseas.

UNIVERSITY HEALTH SERVICES AND REQUIREMENTS

The Students Health Service provides facilities for comprehensive medical care. To help students achieve their educational goals the objectives are: (1) the diagnosis and treatment of illness (physical and emotional) with minimum time lost from academic work; (2) the prevention of acute physical and emotional disorders whenever possible; and (3) the development of an intelligent and realistic attitude toward health on the part of every student.

Eligibility and Fees

All students regularly registered in the University are eligible for the University health services. The cost is included in the General Fee.

The Clinic and Hospital

Outpatient care is centered in the Gannett Medical Clinic, 10

Central Avenue; hospital care is in the Sage Hospital, 512 East State Street (fully accredited by the Joint Commission on Accreditation for Hospitals).

The Clinic and Hospital medical staff, under the supervision of the Clinical Director, consists of University staff attending physicians (Clinic and Hospital), resident physicians (Hospital), and consulting physicians and surgeons in the various medical fields from Ithaca and vicinity.

A student may consult a physician at the Clinic whenever need arises. He may make an individual appointment with a particular doctor at the Clinic if he wishes; appointments may be made by calling or coming in person to the Clinic. If indicated, hospitalization in Sage Hospital for a maximum of fourteen days each term is included. (A per diem charge is made if hospitalization extends beyond fourteen days.) Hospital service includes medical and emergency surgical care, as well as laboratory and X-ray examinations indicated for diagnosis and treatment. (Emergency surgery is defined as initial surgical procedure which, in the opinion of the Clinical Director, is necessary for the immediate welfare and safety of the patient.) The General Fee does not include surgery for the correction of chronic remedial defects or obstetrical care. There is an additional fee for emergency house calls.

In providing these services the University reserves the right to bill the student's employer or other third party legally responsible for providing hospitalization and medical care and to be subrogated to the student's right against these parties for the cost of these services when such liability exists.

A student in Sage Hospital may, if he so desires, employ a private physician from the visiting staff. A student not in Sage Hospital may, in the same manner, receive medical care from a private physician rather than consult the Clinic. The General Fee does not, however, include the cost of such private arrangements.

Prospective students are urged to have dental, visual, and other remedial defects corrected before entering the University.

If, in the opinion of the University authorities, the student's health makes it unwise for him to remain in the University, he may be required to withdraw.

Elective Insurance Plan

On a voluntary basis insurance is available to supplement the services as outlined above. For example, hospitalization in Sage Hospital in excess of fourteen days a term, and expenses for ill-

ness or accidents outside Ithaca both during the academic year and during vacation would be covered. Information about this insurance may be obtained at the Gannett Medical Clinic.

HEALTH REQUIREMENTS

Each entering student is expected to assume personal responsibility for fulfilling the following health requirements adopted by the trustees of Cornell University. Permission to register for a new semester will not be granted unless all health requirements pertaining to the previous semester have been fulfilled.*

(A) Immunization

A satisfactory certificate of immunization against smallpox, on the form supplied by the University, must be submitted before registration. It will be accepted as satisfactory only if it certifies that within the last three years a successful vaccination has been performed. If this requirement cannot be fulfilled by the student's home physician, opportunity for immunization will be offered by the Cornell medical staff during the student's first semester, with the cost to be borne by the student. If a student has been absent from the University for more than three years, immunity will be considered to have lapsed, and a certificate of revaccination must be submitted.

(B) X-Ray

Every student is required to have a chest X-ray. He may (1) present a chest film, made by a private physician, on or before entering Cornell, provided that it was obtained within six months of initial registration and is of acceptable quality; *or* (2) he may present a chest X-ray report, provided that the radiograph was taken within six months of initial registration, contains the film number and name and address of the X-ray facility, and is signed by a radiologist; *or* (3) he may have a chest X-ray at Cornell during the orientation period or at some other specified time shortly thereafter, in which case the charge will be included in the registration fee. When a student who has been away from the University for more than a year wishes to re-enter, he must, at his own expense, once more fulfill the chest X-ray requirement.

* Graduate students, when accepted, must submit *health histories* on forms supplied by the University. (They must submit new health histories if returning to the University after more than a year's absence.) Graduate students are also responsible for fulfilling the *immunization* and *X-ray* requirements as described above.

(C) Medical Examination

Each undergraduate student is required to have a medical examination. (This includes special students who must meet undergraduate requirements such as physical education, etc.) An undergraduate student accepted for admission will be sent forms to be filled out by his home physician and returned promptly to the Gannett Medical Clinic. A University physician will review the material before it becomes part of the student's permanent health record. All information given is confidential. After arrival at Cornell, a specialized recheck of any questionable medical items will be made, and, if need for re-examination or follow-up is indicated, an appointment to consult a physician at the Clinic will be given. When a student has been away from the University for more than a year, he must, upon re-entrance, submit an interim health history on a University form.

(D) Tetanus Toxoid

Undergraduate students, including special students enrolled in one-year or two-year courses, are required to be immunized to tetanus through use of tetanus toxoid. The University has adopted this rule to avoid reactions, often serious, if antitoxin (horse serum) is administered at the time of injury. Immunity through toxoid offers the advantage of protection without risk of antitoxin reaction.

Active immunization shall be acquired within one year prior to initial registration unless the student's home physician is unable to give the toxoid. If there has been no previous immunization, an original series of two or three doses, depending on the type used, spaced at least one month apart, will be necessary. This will be followed by a booster dose one year later. If there has been previous immunization, reactivation by a single booster dose is required for entrance to Cornell. After entrance a booster dose will be given whenever medically indicated.

Certification of immunization by the student's home physician is to be reported on the immunization form supplied by the University. Students unable to obtain the immunization at home will be given the opportunity, during the first semester, to obtain it from the Cornell medical staff or any Ithaca physician. If it is received from the former, a charge comparable to the average physician's fee will be made. Opportunity to obtain the required booster dose one year later, and further booster doses as recommended by recognized medical authorities will also be given.

PHYSICAL EDUCATION

As part of the normal course of study leading to a baccalaureate

degree, the University faculty has established the following requirements in physical education:

All undergraduate students must complete four terms of work in physical education.

The requirement in physical education is a requirement of the first four terms, and postponements are to be allowed only by consent of the University Faculty Committee on Requirements for Graduation.

Exemptions from the requirement may be made by the Committee on Requirements for Graduation when recommended by the Cornell medical staff, or because of unusual conditions of age, residence, or outside responsibilities. Students who have been discharged from the armed forces may be exempted.

For students entering with advanced standing, the number of terms of physical education required is to be reduced by the number of terms which the student has satisfactorily completed (not necessarily including physical education) in a college of recognized standing.

Responsibility for the interpretation of the requirement and for its application in individual cases is placed upon the Committee on Requirements for Graduation.

The University requirements in physical education may be satisfied by four terms of work in courses under the supervision of the Department of Physical Education. Publications describing the courses offered will be made available to entering students by the Department. There are separate programs, with separate staffs, for men and women. The courses are directed toward the development of skills and the encouragement of an interest in recreational sports that will be carried over after graduation, as well as toward the student's immediate physical welfare.

Any entering student who believes that he qualifies for exemption from the requirements or for postponement of the satisfaction of them should present his case to the appropriate member of the University Faculty Committee on Requirements for Graduation. The committee members are:

Dean Royse P. Murphy (University Faculty), Chairman; Professor John O. Mahoney (College of Architecture); Professor Thomas C. Watkins (College of Agriculture); Professor Frank B. Miller (School of Industrial and Labor Relations); Professor Howard G. Smith (College of Engineering); Professor A. Gordon Danks (Veterinary College); Dean Robert A. Beck (School of Hotel Administration); Associate Dean G. Ferris Cronkhite (College of Arts and Sciences); Professor Blanchard L. Rideout (Division of Unclassified Students); Professor Theresa Humphreyville (College of Home Economics).



The Cornell Symphonic Band gives
a Sunday afternoon concert.

ACTIVITIES

Cornell students have the opportunity of participating in a varied program of activities outside the regular course of study. They will find their college experience enriched if they use that opportunity wisely. If they are interested in student government, athletics, publications, music, dramatics, forensics, social organizations, or other extracurricular activities, they will find an exceptionally long list from which to choose.

From the few activities that can be described here, the prospective student may get a general idea of what kinds are likely to arouse his interest. He will have plenty of time to decide on the extent of his participation after he has enrolled in the University and has become firmly established in his academic work.

Student Government

Undergraduates are encouraged by the University to take a large share of responsibility for the regulation of their own affairs. In Student Government, they may seek positions in such administrative agencies as the Executive Board, Women's Student Government Association, Interfraternity Council, Panhellenic Council, Cornell United Religious Work Student Board, Willard Straight Hall Student Officers, Men's Independent Council, Class Councils, and College Councils.

The Executive Board of Student Government acts as the coordinating body and as a liaison between the students and the University faculty and administration. It has initial jurisdiction over student activities and conduct, and it administers the funds allocated to student activities.

Student Conduct

The standards of conduct expected of a Cornell student are defined by the Student Government code and implemented by student judiciary boards granted initial jurisdiction for student conduct by the Faculty Committee on Student Conduct. The preamble of the Cornell Student Code states in part:

Cornell University is an academic community devoted to the pursuit of excellence in education. While this education focuses on intellectual excellence, it must include the sum of an individual's experience at the University. Diversity of opportunity and freedom of choice and action are essential to a Cornell education; but excellence must depend upon the responsibility of each person to exercise the privileges of freedom

with respect for his own integrity and the best interests of the community.

The private life of each member of the community shall be respected. It is hoped that an individual's experiences at Cornell will enable him to make sound moral judgments as well as to value intellectual excellence. The University encourages each student to determine the extent to which he will pursue these goals in his academic and social conduct. The University, however, expects that a Cornell student will conduct himself as a responsible member of society.

Athletics

At Cornell, athletics are designed to encourage the participation of every able-bodied student either in varsity sports or in the comprehensive intramural program. In addition to physical fitness, the work in athletics stresses the development of sportsmanship and a keen competitive spirit as enduring values that will be carried into later life. Varsity sports, with intercollegiate schedules, include baseball, basketball, crew, 150-pound crew, cross-country, fencing, football, 150-pound football, golf, hockey, lacrosse, polo, rifle, sailing, squash, soccer, skiing, swimming, tennis, track, wrestling. Intramural and informal sports include badminton, bowling, basketball, cricket, golf, gymnastics, hiking, hockey, outing club work, paddleball, riding, Rugby, sailing, skating, skiing, soccer, softball, squash, swimming, tennis, touch football, track, and volleyball.

Publications

Cornell students edit and publish a newspaper, the *Cornell Daily Sun*; a yearbook, the *Cornellian*; a humor magazine, the *Widow*; a literary magazine, the *Trojan Horse*; and a number of magazines relating to special fields of interest such as the *Cornell Engineer*, the *Cornell Countryman*, the *Cornell Law Quarterly*, *Controversy*, *Dialogue*, *Gentlemen of the Right*, and *Image*.

Music

The Sage Chapel Choir, the Cornell Chorus, the University Glee Club, the University Orchestra and Bands, Chamber Music ensembles, and other musical organizations give a wide range of opportunity to students who want to participate in making music on the campus and on tour. The University Faculty Committee on Music sponsors visiting soloists and major orchestras in the Bailey Hall series, string quartets and other groups in the

Chamber Music series at Alice Statler Auditorium, and occasional operas, ballets, and special events. In addition, the Department of Music and the Music Committee of Willard Straight Hall join in sponsoring some sixty free concerts and lectures by visiting artists or by Cornell faculty and students.

Drama and Public Speaking

Extensive programs in dramatic production and forensics are conducted by Cornell students under the sponsorship and general supervision of the Department of Speech and Drama. The Cornell Dramatic Club presents a wide variety of productions each year in the University Theatre and the Drummond Studio. The Cornell Debate Association maintains a varied schedule of inter-collegiate and intramural debates and discussions of public affairs. Membership in these organizations is open to all interested undergraduates. The University Theatre Films program presents an annual series of distinguished foreign and American films, providing the University community with unusual opportunities to explore the art of the cinema.

Social and Cultural Activities

Willard Straight Hall, the student union, serves as a campus gathering point and a center for social, cultural, and recreational activities for all Cornell students. It has facilities for dances, receptions, and other social gatherings; a theatre; a billiard and game room; a library; lounges; a music room; a room for the exhibition of works of art; a barber shop; and rooms for overnight guests. Pictures and phonograph records are available for rental to students. Dining services include a cafeteria, snack bar, dining room, and rooms for private luncheons and dinners. Students have full access to the building and its myriad services by virtue of payment of the General Fee.

For those with interests in particular fields, there are more than a hundred organized groups, which include both faculty and students in their membership. Among them are clubs for persons with similar academic interests or similar hobbies, local chapters of professional organizations, associations of students from other nations, and a number of national honorary societies that recognize achievement in scholarship, leadership, and other fields of endeavor.



"Radio Cornell" (WVBR-FM), manned by students, broadcasts a daily program of music as well as local and national news.

MOTOR VEHICLES

The University does not encourage student use of motor vehicles but recognizes that in certain cases there may be important reasons why a student needs a motor vehicle. The University regulations that follow apply to all types of motor vehicles, including motorcycles, motor bikes, and motor scooters.

Every student who owns, maintains, or for his own benefit operates a motor vehicle in Tompkins County, during the time the University is in session, must register such vehicle with the Safety Division Office, even though the vehicle may be also registered by faculty, officers, or employees. Freshmen are not permitted to own, maintain, or operate motor vehicles in Tompkins County. All students must register motor vehicles within the prescribed time for University registration at the beginning of the fall term (*exception*: students who are not then subject to this rule but later become subject to it must register vehicles within 48 hours after becoming so subject). (Students entering the University for the spring semester or re-entering after a period of absence must register motor vehicles with the Safety Division at the time of, or within the time for, general registration.)

Every student who has a motor vehicle must comply with the following requirements: (1) the student must be legally qualified to operate a motor vehicle in New York State; (2) the vehicle must be registered in New York State or legally qualified to be operated on the highways of New York State; (3) the vehicle must be effectively insured against public liability for personal injury and property damage for the minimum of \$10,000—\$20,000—\$5,000, for the duration of such registration and while the vehicle is under the control of the registering student; (4) the registration fee covering the fall and spring terms, or any part thereof, is \$4 and is due and payable in the Treasurer's Office on the same date as tuition and other fees; in the case of late registrants, the fee will be due within a week after such registration. A fine of \$10 is levied if the vehicle is not registered within the specified time.

Suspension of the privilege of operating a motor vehicle may be enforced by requiring the student to deposit his registration plates and certificate and his driver's license with the Safety Division of the University during the period of such suspension. Refusal to comply with such a request may result in the student's suspension from the University.

No student may park his motor vehicle on the campus from 8 a.m. to 5 p.m. Monday through Friday, or from 8 a.m. to 1 p.m. Saturdays. Restrictions applying to "no parking" zones, dormitory parking areas, and areas listed as limited to holders of F-1 and F-2 permits, are in effect 24 hours a day.

Special area parking permits are issued only after careful consideration by the Safety Division Office. Extenuating circumstances (physical disabilities, etc.) are the basis for the issuance of these permits.

The student's registration in the University is held to constitute an agreement on his part that he will abide by its rules and regulations with regard to traffic and parking or suffer the penalty prescribed for any violation of them.

Correspondence regarding motor vehicles should be addressed to the Safety Division, G-2 Barton Hall.

FINANCIAL AID

Most students plan to finance their education through a combination of savings, help from home, and summer earnings. The estimates of total expenses on page 73 should be examined carefully. An entering freshman who needs supplementary funds should have clearly in mind the additional amount needed in his particular case. Financial aid opportunities in the form of scholarships, long-term student loans, and term-time employment are available as outlined below.

Academic ability as indicated by the candidate's secondary school credentials, and by test scores of the College Entrance Examination Board, is of primary importance in the selection of financial aid winners. In many cases, extracurricular achievement and promise of leadership are important. Although recipients of financial aid are selected on those criteria, the *total amount awarded* is based on remaining need once an appropriate expectation from student, family, and other resources has been deducted from the student's anticipated budget.

A typical award involves part scholarship plus job and/or loan help. The trend is toward such package awards, although candidates with exceptionally strong qualifications are likely to have most of their need met by scholarship alone. Similarly, those who do not qualify for scholarship aid may be offered loans or job help only.

Scholarships offered to freshmen vary in value, depending on the winner's need and promise. Loan help is limited to \$900 per year, and job opportunities vary in value from \$300 to \$600 per year. Virtually all awards may be held for the normal period of years required for an undergraduate degree.

In addition, a limited number of undergraduate scholarships and grants-in-aid are awarded to students with need who have completed their freshman year. In general, students who rank in the top one third of the class are eligible.

New York State candidates interested in the New York State

Regents scholarship program should apply to local school authorities or to the Commissioner of Education, Albany, New York, for details. Winners are not exempt from any of the rules governing admission to the University; they should therefore apply for admission at the normal time and should be prepared to satisfy the regular entrance requirements.

Normally, transfer students are not eligible for financial aid until they have completed at least one semester of residence at Cornell. Inquiries should be addressed to the Office of Scholarships and Financial Aid, Edmund Ezra Day Hall.

APPLICATIONS FOR FINANCIAL AID may be obtained from either the Office of Admissions or the Office of Scholarships and Financial Aid, both in Edmund Ezra Day Hall.

All applications for financial aid by candidates for all Cornell divisions *must be submitted by January 15* (even though applications for admission may be accepted at a later date in some divisions of the University).

EXPENSES

The costs of attending Cornell fall into two general categories. The first category includes certain fixed charges for tuition, fees, and deposits, and related charges for services provided by the University. The second category includes living costs and items of personal expense. To make a realistic estimate of his financial needs at Cornell, the prospective student should note carefully each of the sections that follow.

UNIVERSITY CHARGES

For certain services or privileges the University charges a General Fee over and above tuition. The General Fee is paid by all students in the divisions at Ithaca, the amount varying in the different schools and colleges. It contributes toward the services given by the libraries, the Gannett Clinic and Sage Hospital, and the student center in Willard Straight Hall; it also pays part of the extra costs of laboratory courses and general administration, as well as programs of physical recreation and student activities.

Students entering the Ithaca divisions of the University should familiarize themselves with the charges made in the college or school in which they plan to enroll and with the rules governing

payments as given in the pages following. The table lists the tuition and fees paid *each term* by students in the Ithaca divisions of the University (there are two terms of sixteen weeks each in the normal academic year). Tuition and fees in the Medical College and the School of Nursing in New York City are listed in the Announcements of those divisions.

COLLEGE, SCHOOL, OR DIVISION	TUITION	GENERAL FEE	TOTAL PER TERM
ARCHITECTURE	\$750.00	\$150.00	\$900.00
ARTS AND SCIENCES	750.00	150.00	900.00
ENGINEERING	750.00	150.00	900.00
GRADUATE SCHOOL with major field of study in an endowed division	735.00	165.00	900.00
GRADUATE SCHOOL with major field of study in Agriculture, Home Economics, In- dustrial and Labor Relations, Veterinary, or Graduate School of Nutrition	200.00	187.50	387.50
AEROSPACE ENGINEERING	750.00	150.00	900.00
BUSINESS AND PUBLIC ADMINISTRA- TION	750.00	150.00	900.00
HOTEL ADMINISTRATION	750.00	150.00	900.00
LAW	750.00	150.00	900.00
AGRICULTURE:			
Resident *	200.00	50.00	250.00
Nonresident	300.00	150.00	450.00
HOME ECONOMICS:			
Resident *	200.00	62.50	262.50
Nonresident	300.00	162.50	462.50
INDUSTRIAL AND LABOR RELATIONS:			
Resident *	200.00	50.00	250.00
Nonresident	300.00	150.00	450.00
VETERINARY:			
Resident *	200.00	87.50	287.50
Nonresident	300.00	187.50	487.50
UNCLASSIFIED STUDENTS	750.00	150.00	900.00
EXTRAMURAL COURSES:			
Tuition per credit hour	40.00

* A resident is a person who has been a bona fide resident of the State of New York for at least one year prior to matriculation in one of the four state-supported schools or colleges at Cornell (Agriculture, Home Economics, Industrial and Labor Relations, Veterinary).

Other Fees and Deposits

In addition to the charges listed above, the following financial obligations should be carefully noted and taken into account in the student's budget of expenses for the term in which they are due.

An application fee of \$15 must be paid at the time an application for admission is submitted to any division.

A registration fee of \$45 must be paid after the applicant has received notice of provisional acceptance from any of the following divisions: Agriculture, Architecture, Arts and Sciences, Engineering (except Graduate School of Aerospace Engineering), Home Economics, Hotel Administration, Industrial and Labor Relations, Unclassified, and Veterinary. This fee covers matriculation charges and certain graduation expenses and establishes a fund for undergraduate and alumni class activities; it does not apply toward the first term's tuition or the General Fee.

A registration fee of \$28 must be paid after the applicant has received notice of provisional acceptance from any of the following divisions: Graduate School, Graduate School of Business and Public Administration, Graduate School of Aerospace Engineering, Graduate School of Nutrition. The fee does not apply toward the first term's tuition or the General Fee.

A registration fee of \$50 must be paid after the student has received notice of provisional acceptance from the Law School. The fee covers matriculation expense and student activities.

A deposit of \$30 against the cost of a uniform is payable at registration in the first term by those enrolling in the basic courses in military and air science. Most of the deposit is returned as earned uniform allowance upon completion of the two-year basic course. If the student withdraws prior to completion of the course, he will owe for the total cost of the uniform less any uniform allowance earned and less a portion of the deposit.

Transfer Tuition

Any student transferring from one college (or course or courses) in the University to another must, on or before the time of transfer, pay an amount corresponding to the difference in tuition for the hours of credit that will be allowed in the latter college (or course or courses).



From the library tower, a Cornell landmark,
the chimes ring three times daily.

Excess Hours Tuition

Students in the four state-supported divisions who desire to take courses in the endowed divisions beyond the hours allowed free under the rules of those state-supported divisions, may be allowed to do so on payment for the additional hours of instruction at the rate of tuition in the college in which the instruction is given.

Special Fees

The following fees are imposed under certain conditions: late registration, \$10; make-up examination, \$2; late filing of study card, \$2; late change of program, \$3; failure to check out chemistry desk, \$5.

Payment of University Bills

All bills are rendered to the student, and it is his or her responsibility to see that each bill is paid by the due date. Checks in payment of student accounts should be drawn in the amount owed. A penalty of \$10 is assessed for late payment, and the student may be deprived of the privileges of the University. Cornell cannot undertake to bill the parent or another person.

Tuition and General Fee

A bill for tuition and General Fee (IBM card) is presented at the time of registration for each term. The bill is due and payable within ten days at the cashier's window in the Treasurer's Office, 260 Edmund Ezra Day Hall. (Hours: 8 a.m. until 4:30 p.m. weekdays and until 12 noon Saturdays.)

The University offers students and parents a plan for paying yearly tuition and General Fee charges in eight equal monthly payments beginning September first and continuing through the following April first. This plan may be started at any time up to September 15 in the fall term and up to February 1 in the spring term, provided payment has been made of an amount equal to the total of the monthly installments up to the point at which the individual elects to take advantage of the plan. A service charge of \$10 is made to cover, partially, the cost of administering the plan. A student or parent who desires to make use of this plan should address his request to the Treasurer, Cornell University, Edmund Ezra Day Hall.

Financial aid awarded by the University, except loans, will be applied directly to the student's tuition and fee charges. The

student should claim an exemption on his bill for 50 per cent of the annual award and pay any balance. If the University award, exclusive of a loan, is equal to or exceeds the amount due for tuition and fee, the student need not present the bill at the Treasurer's Office. If the University award exceeds the tuition and fee, the balance will be available after the beginning of each term in the form of a check.

A student completes arrangements for a loan authorized by the University by signing a note in the Treasurer's Office. The proceeds of a loan must be applied first to University charges but are not to be claimed as an exemption from a bill.

New York State scholarships, fellowships, and incentive awards may not be claimed as an exemption from the tuition and fee bill since the state prepares individual checks, which are payable to the student, and sends them to the University for distribution. Checks for these awards will not be available at the time tuition and fees are due. An extension of time for payment of tuition and fees equal to the amount of the state award may be arranged by presenting the Award Certificate at the Treasurer's Office, providing the student has signed a power of attorney authorizing the University to negotiate the state check.

When an extension of time for payment of part or all of the tuition and fee is granted, based on a New York State award, it is with the understanding that should the state for any reason fail to prepare a check for the amount of the award the student is personally responsible for the amount due.

Scholarships or financial aid awards which are granted outside the University may not be claimed as an exemption on the tuition and fee bill unless the student personally obtains verification from the Office of Scholarships and Financial Aid on the bill that the University has received the amount of the award.

Refunds

Part of the tuition and General Fee will be refunded to students who officially withdraw during the first nine weeks of a term. A student arranges for withdrawal at the Office of the Dean or Director of the academic division in which he is enrolled. Students who withdraw are charged tuition and General Fee at the rate of 10 per cent for each week or fraction of a week from registration to the effective date of withdrawal. No charge is made if the student withdraws within six days of registration. No part of the registration or matriculation fees is refundable.

Room and/or Board

Payment of the yearly charge for room and/or board is due in four equal quarterly installments. The room charge is based on the rate of the assigned room. In May students registered at Cornell are billed for the first quarter of the following year, and payment is due in mid-July. New students normally receive room assignments during July or August, and the first quarter is due within ten days of assignment. All students are billed uniformly for the second, third, and fourth quarters. The due dates for payment of the second, third, and fourth quarters vary from year to year, but they usually occur in mid-November and early in February and April.

The amount, time, and manner of payment of tuition, fees, or other charges may be changed at any time without notice.

ESTIMATING TOTAL EXPENSES

Although living expenses vary, most students find that, excluding tuition and fees, \$1500 to \$1600 per academic year will cover essential costs. The table of estimates below is a guide to specific expenses. (The figures are for the regular academic year of two terms of sixteen weeks each; the asterisk denotes a fixed expense.)

MEN'S EXPENSES

WOMEN'S EXPENSES

	CORNELL ESTIMATE	YOUR ESTIMATE		CORNELL ESTIMATE
Tuition	\$400-\$1500	\$_____	Tuition	\$100-\$1500
First registration	\$28-\$50	_____	First registration	\$28-\$50
General Fee	\$50-\$375	_____	General Fee	\$50-\$375
Room	\$355-\$455	_____	Room and board	\$926-\$1110
Meals	\$600-\$650	_____	Laundry, cleaning ..	\$50-\$80
Books, supplies	\$80-\$120	_____	Physical ed. equip.*	\$18
Clothing		_____	Books, supplies	\$60-\$100
Laundry, cleaning ..	\$50-\$80	_____	Clothing	
Transportation		_____	Transportation	
(including vacations).		_____	(including vacations).	
Personal allowance		_____	Personal allowance	
and incidentals ...	\$150-\$200	=====	and incidentals ...	\$150-\$200



A picnic area in the woods above Fall Creek,
near the women's residence halls.

CHOOSING A COLLEGE OR SCHOOL AT CORNELL

For a person about to begin college, the matter of deciding in which division of the University he wants to study should not be difficult. The general descriptions of the work in the several colleges and schools as given on pages 37-42 should indicate which division offers the desired type of preparation. The prospective student should write for the Announcement that gives a detailed description of the curriculum in which he is interested. A list of the Announcements follows the last page of text in this publication; any Announcement will be mailed without charge.

SUBJECTS OF STUDY

The prospective student frequently and naturally thinks in terms of specific courses, such as chemistry, or design, or bacteriology, instead of in terms of a broad curriculum such as Arts and Sciences, or Architecture, or Agriculture. Therefore, in identifying the division in the University where particular instruction is offered, he may find the following general list of subjects of study useful. The subject is in the left-hand column of the list, and the college or school in which the subject forms a part of the curriculum is in the right-hand column.

The names of the colleges and schools of the University are abbreviated as follows: Agriculture (*Ag*), Architecture (*Arch*), Arts and Sciences (*Arts*), Business and Public Administration (*Bus*), Education (*Educ*), Engineering (*Eng*), the Graduate School (*Grad*), Home Economics (*Home Ec*), Hotel Administration (*Hotel*), Industrial and Labor Relations (*ILR*), Law (*Law*), Medical (*Med*), Nursing (*Nurs*), Nutrition (*Nutrit*), and Veterinary (*Vet*). Each division has a separate Announcement. Information about military and naval science and aerospace studies (AF ROTC) is given in the *Announcement of Officer Education (Officer)*.

<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
ACCOUNTING	<i>Bus, Ag, Eng, Hotel</i>	aerodynamics	
ADMINISTRATION AND LAW	<i>Bus & Law</i>	gasdynamics	
ADMINISTRATIVE PROCESS	<i>Bus</i>	magneto-fluid dynamics	
AEROSPACE ENGINEERING	<i>Eng</i>	AEROSPACE STUDIES (AFROTC)....	<i>Officer</i>
		AGRICULTURE, GENERAL	<i>Ag</i>

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<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
AGRICULTURAL BROADCASTING	Ag	BUSINESS ADMINISTRATION	Bus
AGRICULTURAL ECONOMICS	Ag	(See also Agricultural Economics)	
agricultural policy		accounting (industrial & public)	
agricultural geography and land economics		agricultural management	finance
business management	prices	business management	
farm finance	marketing	hospital & health administration	
farm management	statistics	managerial economics	marketing
public administration		personnel management	production
AGRICULTURAL ENGINEERING	Ag, Eng	transportation & public utilities	
agricultural mechanics		BUSINESS LAW	Bus, Hotel
agricultural structures		BUSINESS MANAGEMENT	Ag, Bus
electrical power and processing		CHEMICAL ENGINEERING	Eng
power and machinery		process design and economics	
soil and water engineering		reaction kinetics	
AGRICULTURAL EXTENSION	Ag	nuclear energy	
AGRICULTURAL AND HOME ECONOMICS JOURNALISM ¹	Ag	biochemical engineering	
AGRICULTURAL BUSINESS MANAGEMENT	Ag & Bus	polymeric materials	
AGRICULTURAL MISSIONARY SERVICE	Ag	CHEMISTRY	Arts
AGRONOMY	Ag	CHILD DEVELOPMENT AND FAMILY RELATIONSHIPS	Home Ec
field crops	soil science	CITY MANAGEMENT	Bus
soil conservation		CITY AND REGIONAL PLANNING	Arch
AIR SCIENCE	Officer	CIVIL ENGINEERING	Eng
AMERICAN STUDIES	Arts, ILR	construction and	
ANALYSIS OF DATA	Arts, Bus, ILR	administrative engineering	
ANIMAL HUSBANDRY	Ag	geodetic engineering	
animal breeding		hydraulic engineering	
animal nutrition		sanitary engineering	
dairy husbandry		structural engineering	
livestock production		transportation engineering	
meat and meat production		CLASSICS	Arts
ANTHROPOLOGY	Arts	CLOTHING AND TEXTILES	Home Ec
APPLIED MATHEMATICS	Arts	COLLECTIVE BARGAINING	ILR
APPLIED PHYSICS	Arts	COMMUNICATIONS, ELECTRICAL	Eng
ARBITRATION	ILR	COMPUTERS AND DATA PROCESSING	Eng, Hotel
ARCHAEOLOGY	Arts	CONSERVATION	Ag
ARCHITECTURAL STRUCTURES	Arch	farm forestry	oceanography
ARCHITECTURE	Arch	fishery biology	ornithology
ARCHITECTURE (history of)	Arch	soil conservation	vertebrate zoology
ART (history of)	Arts	wildlife management	
ART (practice of fine arts)	Arch	DAIRY HUSBANDRY	Ag
ASIAN STUDIES	Arts	DAIRY SCIENCE	Ag
ASTRONOMY	Arts	fluid milk handling and processing	
BACTERIOLOGY	Ag, Med, Vet	manufacture of milk products	
BANKING AND FINANCE	Ag, Bus	DESIGN, ARCHITECTURAL	Arch
BIOCHEMISTRY	Ag, Nutrit, Med	DESIGN AND HOUSING	Home Ec
BIOLOGY	Ag, Arts	DRAMA, SPEECH AND	Arts
BOTANY	Ag, Arts	DRAWING	Ag, Arch, Home Ec
		DRAWING, MECHANICAL	Ag, Eng

¹ The courses in journalism do not lead to a journalism degree.

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Subject of Study College or School

ECONOMICS *Ag, Arts, Bus, Home Ec, ILR*
 ECONOMICS AND POLICY *Ag, Bus, ILR*
 EDUCATION *Educ, Ag, Home Ec, ILR*
 agricultural education
 development of human resources
 educational administration and supervision
 educational psychology and measurement
 elementary education
 extension and adult education
 guidance and personnel administration
 history, philosophy, and sociology of education
 home economics education
 nature, science, and conservation education
 secondary education
 ELECTRICAL ENGINEERING *Eng*
 communication systems
 electrical network theory
 electric power systems
 electrons and waves
 feedback control systems and computers
 illumination
 radio science
 ENGINEERING *Eng*
 aerospace civil
 agricultural electrical
 chemical industrial
 mechanical
 materials and metallurgy
 engineering physics
 theoretical and applied mechanics
 ENGINEERING, AGRICULTURAL *Ag, Eng*
 ENGINEERING, HOTEL *Hotel*
 ENGINEERING PHYSICS *Eng*
 aerospace engineering nuclear technology
 materials science
 space science and technology
 ENGLISH *Arts*
 ENTOMOLOGY *Ag*
 insect morphology limnology
 insect physiology parasitology
 insect taxonomy beekeeping
 medical entomology
 EXTENSION EDUCATION *Ag, Educ*
 EXTENSION TEACHING *Ag, Home Ec*
 FAMILY RELATIONSHIPS AND CHILD DEVELOPMENT *Home Ec*

Subject of Study College or School

FEDERAL ADMINISTRATION *Bus*
 FINANCE, BUSINESS AND PUBLIC ... *Ag, Bus*
 FINE ARTS (practice of) *Arch*
 FLORICULTURE *Ag*
 greenhouse crops production
 landscape service
 nursery crops production
 ornamental horticulture
 plant materials and propagation
 FOOD DISTRIBUTION *Ag, Bus*
 FOOD FACILITIES ENGINEERING *Hotel*
 FOOD AND NUTRITION *Home Ec, Hotel, Nutrit*
 FOOD SCIENCE AND TECHNOLOGY *Ag, Home Ec, Nutrit*
 FOREIGN AGRICULTURAL SERVICE *Ag*
 GENETICS *Ag*
 GEOGRAPHY *Arts*
 GEOLOGY *Arts*
 GOVERNMENT *Arts*
 GRADUATE STUDIES *Grad*
 GRAPHIC ARTS *Arch*
 GREENHOUSE CROPS PRODUCTION *Ag*
 GUIDANCE *Educ*
 HISTORY *Arts, ILR*
 HISTORY OF ARCHITECTURE *Arch*
 Subject of Study College or School
 HISTORY OF ART *Arts*
 HOME ECONOMICS *Home Ec*
 child development and family relationships
 food and nutrition
 home economics education
 household economics and management
 housing and design
 institution management
 textiles and clothing
 HOSPITALS & HEALTH ADMINISTRATION *Bus*
 HOTEL ADMINISTRATION *Hotel*
 accounting engineering
 administration food science
 economics and housekeeping
 finance
 hotel and restaurant equipment
 food production
 restaurant administration
 HOUSEHOLD ECONOMICS AND MANAGEMENT *Home Ec*
 HOUSING *Arch, Home Ec*
 INDUSTRIAL COOPERATIVE PROGRAM ²... *Eng*

² See the section "College of Engineering" in this Announcement.

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<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
INDUSTRIAL ENGINEERING	Eng	MECHANICAL ENGINEERING	Eng
applied statistics and probability		aerospace engineering	
computers and data processing		engineering materials	
engineering administration		engineering mechanics	
information processing		fluid dynamics and heat transfer	
operations research		machine design and development	
systems analysis and design		nuclear engineering	
INDUSTRIAL AND LABOR RELATIONS ...	ILR	propulsion engineering	
collective bargaining		thermal environment	
development of human resources		thermal power	
economic and social statistics		vehicles and propulsion	
human relations in industry		MECHANICS, THEORETICAL AND	
international and comparative		APPLIED	Eng
labor relations		MEDIATION	ILR
labor economics		MEDICINE AND SURGERY	Med
labor union history and		anatomy	
administration		bacteriology and immunology	
personnel administration		biochemistry	
social security and protective labor		medicine and medical specialties	
legislation		microbiology and immunology	
INSTITUTION MANAGEMENT	Home Ec, Hotel	obstetrics and gynecology	
INTERNATIONAL AGRICULTURE	Ag	pathology	pediatrics
INTERNATIONAL AND FOREIGN		pharmacology	psychiatry
OPERATIONS	Bus	physiology and biophysics	
INTERNATIONAL STUDIES ...	Ag, Arts, Bus, ILR, Law	public health and preventive medicine	
JOURNALISM ³	Ag	radiology	
JOURNALISM, nonprofessional ³	Arts	surgery and surgical specialties	
LABOR RELATIONS (See INDUSTRIAL AND		METEOROLOGY	Ag
LABOR RELATIONS)		METALLURGICAL ENGINEERING	Eng
LANGUAGES, MODERN AND ANCIENT...	Arts	MILITARY SCIENCE	Officer
LATIN AMERICAN STUDIES	Arts	MUSIC	Arts
LAW	Law	NAVAL SCIENCE	Officer
jurisprudence	procedure	NUCLEAR ENGINEERING	Eng
private law	public law	NURSERY CROPS PRODUCTION	Ag
LITERATURE	Arts	NURSING (See also PRENURSING)	Nurs
LIVESTOCK PRODUCTION	Ag	NUTRITION (grad. studies)	Nutrit
MANAGERIAL ECONOMICS	Bus	NUTRITION, ANIMAL	Ag
MARKETING	Bus, Ag	NUTRITION, FOOD AND	Home Ec, Hotel, Nutrit
MATHEMATICS	Arts	OPERATIONS RESEARCH	Eng
MATHEMATICS, APPLIED	Arts	ORNITHOLOGY	Ag
MATERIALS AND METALLURGY	Eng	PAINTING AND DRAWING	Ag, Arch, Home Ec
materials engineering	metallography	PERSONNEL MANAGEMENT	Bus, Hotel, ILR
structure of materials	thermodynamics	PHILOSOPHY	Arts
physical metallurgy		PHYSICAL BIOLOGY	Vet
materials processing		PHYSICAL EDUCATION ⁴	
(chemical & mechanical)		PHYSICS	Arts, Eng
MATERIALS SCIENCE AND		PHYSICS, APPLIED	Arts
ENGINEERING	Eng		

³ The courses in journalism do not lead to a journalism degree.

⁴ The requirements in physical education are described in earlier pages of this Announcement; details of the courses offered are given in publications made available to students by the Department of Physical Education. The courses do not lead to a physical education degree.

<i>Subject of Study</i>	<i>College or School</i>	<i>Subject of Study</i>	<i>College or School</i>
PHYSIOLOGY	<i>Ag, Arts, Vet</i>	RADIO-TELEVISION	<i>Ag</i>
PLANT BREEDING	<i>Ag</i>	REGIONAL PLANNING	<i>Arch</i>
genetics	biometry	RESTAURANT ADMINISTRATION	<i>Hotel</i>
PLANT PATHOLOGY	<i>Ag</i>	ROMANCE LANGUAGES	<i>Arts</i>
mycology		RURAL EDUCATION (<i>See also</i>	
POMOLOGY	<i>Ag</i>	EDUCATION)	<i>Ag</i>
POULTRY HUSBANDRY	<i>Ag</i>	RURAL SOCIOLOGY	<i>Ag</i>
breeding	management	SCULPTURE	<i>Arch</i>
management	nutrition	SEED TECHNOLOGY	<i>Ag</i>
PREDENTAL TRAINING	<i>Arts</i>	SOCIAL SECURITY	<i>ILR</i>
PRELAW TRAINING	<i>Arts</i>	SOCIAL SERVICE	<i>Ag, Home Ec</i>
PREMEDICAL TRAINING	<i>Arts</i>	SOCIOLOGY	<i>Arts, ILR</i>
PRENURSING TRAINING	<i>Arts,</i>	SPACE RESEARCH	<i>Arts, Eng</i>
	<i>Home Ec, Ag</i>	SPEECH AND DRAMA	<i>Arts</i>
PREVETERINARY TRAINING	<i>Ag, Arts</i>	STATISTICS	<i>Ag, Bus, ILR, Eng</i>
PRODUCTION	<i>Bus, Eng</i>	STRUCTURES	<i>Arch</i>
PSYCHOLOGY	<i>Arts, ILR</i>	STUDENT PERSONNEL	
PUBLIC ADMINISTRATION	<i>Bus</i>	ADMINISTRATION	<i>Educ</i>
(<i>See also</i> Public Administration & Fi-	nance)	TEACHING	(<i>See</i> EDUCATION)
agricultural policy & management		TELEVISION-RADIO	<i>Ag</i>
city management	finance	TEXTILES AND CLOTHING	<i>Home Ec</i>
federal administration		THEORETICAL AND APPLIED	
general public administration		MECHANICS	<i>Eng</i>
hospital & health administration		TRANSPORTATION	<i>Bus, Eng</i>
international & foreign operations		URBAN DESIGN	<i>Arch</i>
personnel management		VEGETABLE CROPS	<i>Ag</i>
transportation & public utilities		VETERINARY MEDICINE	<i>Vet</i>
PUBLIC ADMINISTRATION & FINANCE	<i>Ag</i>	animal physiology	anatomy
PUBLICATION	<i>Home Ec</i>	animal pathology	animal virology
PUBLIC MANAGEMENT	<i>Bus</i>	pathogenic bacteriology	medicine
PUBLIC RELATIONS	<i>Ag, Hotel, ILR</i>	pharmacology	physical biology
PUBLIC SPEAKING	<i>Arts, Ag</i>	parasitology	surgery
QUANTITATIVE ANALYSIS FOR		obstetrics and diseases of the reproductive	
MANAGERIAL DECISIONS AND		organs	
OF ECONOMIC DATA	<i>Bus</i>	WATER RESOURCES	<i>Eng</i>
RADIO ASTRONOMY	<i>Arts, Eng</i>	WORKMEN'S COMPENSATION	<i>ILR</i>
RADIOPHYSICS	<i>Arts, Eng</i>	ZOOLOGY	<i>Arts, Ag</i>

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